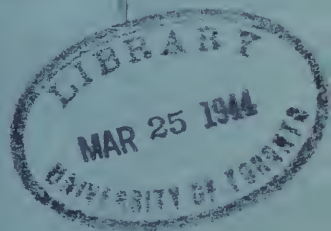


3
TAYLOR

A black and white photograph of the exterior of the National Maritime Museum in Greenwich, London. The building is a large, multi-story structure with many windows. A flag flies on a tall pole in front of the building. There are trees and a small boat in the foreground.



SIXTY-FOURTH SESSION 1943-1944

No. 3 (UNIVERSITY OF TORONTO) SQUADRON
UNIVERSITY AIR TRAINING CORPS
ROYAL CANADIAN AIR FORCE

The University Air Training Corps (U.A.T.C.) is a component of the Royal Canadian Air Force in which students interested in and acceptable for air-force training are enlisted and instructed during the period of their university courses. The Corps is a reserve rather than an active-service formation, but when members of the Corps are ready to undertake active service they are enabled to do so through simple transfer to the Special Reserve of the R.C.A.F.

The syllabus of training in the U.A.T.C. calls for instruction during the academic year in subjects which include Mathematics, Navigation, Signals, Drill, Aircraft Recognition, Airmanship, Theory of Flight, Air Force Administration, Law, Discipline, and Organization, etc. This training involves no examination, but is followed by two weeks in Summer Camp, at an R.C.A.F. Station, of which several hours are allotted to examinations.

U.A.T.C. training during the academic year and at camp satisfies the provisions under the National Resources Mobilization Act and under university regulations which require that physically fit university students receive service training during their academic courses. In addition members of the Corps are given credit for their U.A.T.C. training when they leave the university to undertake active service with the R.C.A.F.

The squadron of the U.A.T.C. established at the University of Toronto is known as No. 3 (University of Toronto) Squadron, University Air Training Corps, R.C.A.F. Its orderly room is located immediately east of the Debates Room in Hart House. Upon completion of its organization in 1942-43, its senior staff consisted of:

Officer Commanding, Squadron Leader F. L. Hutchison, U.A.T.C., R.C.A.F.

Acting Adjutant, Flight Lieutenant F. E. Brown, M.C., R.C.A.F. (S.R.)

Disciplinarian, W.O. (II) T. Bowes, R.C.A.F. (S.R.)

Clerk (Administrative), Flight Sergeant A. W. P. Robertson, R.C.A.F. (S.R.)

UNIVERSITY OF TORONTO CONTINGENT CANADIAN OFFICERS TRAINING CORPS

The function of the University of Toronto Contingent of the Canadian Officers Training Corps is to provide military training for undergraduates while attending the University, and to select and recommend potential officers in the various arms to proceed to Officers Training Centres to become officers of the Active Army.

To enable undergraduates to complete their academic courses the Government has authorized the postponement of their calls for military training under the N.R.M.A. provided they are receiving training with the Contingent or other units of the Armed Forces.

Students who have undergone one year's training in the Second Battalion or who have had the equivalent of one annual training in a reserve unit are members of the First Battalion. These students receive additional basic training and special to Arm training in Artillery, Engineers, Ordnance, Mechanical Engineers, Signals, Infantry, Machine Guns, Army Service. These students as well as the N.C.Os. of the Second Battalion are eligible to be recommended as potential reinforcement officers, Active Army, if they come up to the standards required.

Students who have not received the equivalent of one annual training with a Reserve Army unit are members of the Second Battalion of the Contingent where they receive basic training common to all arms of the service.

Contingent Headquarters are situated at 119 St. George Street. Accommodation includes drill hall, arms rooms, Q.M. Stores, and lecture rooms. First Battalion Headquarters is also at 119 St. George Street. Second Battalion Headquarters is at Hart House.

The Contingent staff for the session 1942-1943 was:

CONTINGENT HEADQUARTERS

<i>Honorary Colonel</i>	Colonel H. J. Cody, E.D.
<i>Officer Commanding</i>	Lieut.-Col. H. H. Madill, V.D., m.s.c.
<i>Second-in-Command</i>	Lieut.-Col. W. S. Wilson, E.D.
<i>Paymaster</i>	Major T. A. Reed, E.D.
<i>Quartermaster</i>	Capt. C. A. Johnston
<i>Medical Officer</i>	Major J. L. McCollum, R.C.A.M.C.
<i>Chaplain</i>	Hon. Capt. W. C. Lockhart, C.C.S.

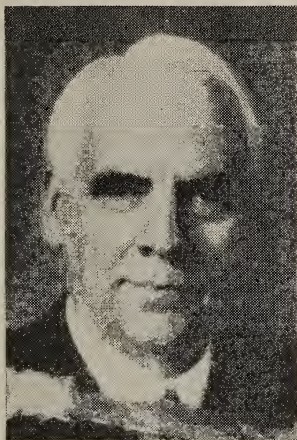
FIRST BATTALION

<i>Officer Commanding</i>	Lieut.-Col. H. H. Madill, V.D., m.s.c.
<i>Second-in-Command and</i>	
<i>Chief Instructor</i>	Major M. B. Watson, E.D., m.s.c.
<i>Acting Adjutant</i>	Major H. C. H. Miller
<i>Assistant Adjutant</i>	Capt. A. Ragen
<i>Medical Officer</i>	Lieut. H. A. Burnett, R.C.A.M.C.

SECOND BATTALION

<i>Officer Commanding</i>	Lieut.-Col. W. S. Wilson, E.D.
<i>Second-in-Command</i>	Major W. S. Wallace
<i>Chief Instructor</i>	Major G. R. Lane
<i>Adjutant</i>	Capt. J. C. Evans
<i>Medical Officer</i>	Lieut. D. L. Selby, R.C.A.M.C.

In Memoriam



DR. PAUL L. SCOTT

Born in Paris, Ontario.

Graduated from Ontario College of Pharmacy, 1887, as Gold Medalist for his year.

Graduated from University of Toronto in Medicine, 1900. In 1901 he became examiner at The Ontario College of Pharmacy and also established a medical practice in Toronto.

He succeeded Dr. A. Y. Scott as Professor in Physiology, a post he held until his retirement in the spring of this year.

Died April 3rd, 1942.



ONTARIO COLLEGE OF PHARMACY

ONTARIO COLLEGE OF PHARMACY

INCORPORATED A.D. 1871
UNIVERSITY OF TORONTO AFFILIATION SINCE 1892

CALENDAR

Published by Authority of the Education Committee



SIXTY-FOURTH SESSION
1943-1944

46 GERRARD STREET EAST - TORONTO
1943

PRINTED IN CANADA BY
THE UNIVERSITY OF TORONTO PRESS

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1943

CALENDAR

1943

JANUARY					APRIL					JULY					OCTOBER				
Sun.	3	10	17	24 31	Sun.	..	4	11	18 25	Sun.	4	11	18 25	Sun.	3	10	17 24 31		
Mon.	4	11	18 25	....	Mon.	..	5	12	19 26	Mon.	..	5	12	19 26	Mon.	4	11	18 25	
Tues.	5	12	19 26	....	Tues.	..	6	13	20 27	Tues.	..	6	13	20 27	Tues.	5	12	19 26	
Wed.	6	13	20 27	....	Wed.	..	7	14	21 28	Wed.	..	7	14	21 28	Wed.	6	13	20 27	
Thur.	7	14	21 28	....	Thur.	1	8	15 22 29	Thur.	1	8	15 22 29	Thur.	7	14	21 28	....		
Fri.	1	8 15 22 29	....		Fri.	2	9 16 23 30	....		Fri.	2	9 16 23 30	....	Fri.	1	8 15 22 29	....		
Sat.	2	9 16 23 30	....		Sat.	3	10 17 24	....		Sat.	3	10 17 24 31	....	Sat.	2	9 16 23 30	....		
FEBRUARY					MAY					AUGUST					NOVEMBER				
Sun.	..	7	14	21 28	Sun.	2	9 16 23 30			Sun.	1	8 15 22 29		Sun.	..	7	14	21 28	
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Tues.	2	9 16 23			Tues.	4	11 18 25			Tues.	3	10 17 24 31		Tues.	2	9 16 23 30			
Wed.	3	10 17 24			Wed.	5	12 19 26			Wed.	4	11 18 25		Wed.	3	10 17 24			
Thur.	4	11 18 25	....		Thur.	6	13 20 27	....		Thur.	5	12 19 26	....	Thur.	4	11 18 25	....		
Fri.	5	12 19 26	....		Fri.	7	14 21 28	....		Fri.	6	13 20 27	....	Fri.	5	12 19 26	....		
Sat.	6	13 20 27			Sat.	1	8 15 22 29			Sat.	7	14 21 28		Sat.	6	13 20 27			
MARCH					JUNE					SEPTEMBER					DECEMBER				
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Thur.	4	11 18 25			Thur.	3	10 17 24			Thur.	2	9 16 23 30	Thur.	2	9 16 23 30				
Fri.	5	12 19 26			Fri.	4	11 18 25			Fri.	3	10 17 24		Fri.	3	10 17 24 31			
Sat.	6	13 20 27	....		Sat.	5	12 19 26	....		Sat.	4	11 18 25	....	Sat.	4	11 18 25	....		

1944

CALENDAR

1944

JANUARY					APRIL					JULY					OCTOBER										
Sun.	2	9	16	23	30	Sun.	2	9	16	23	30	Sun.	2	9	16	23	30	Sun.	1	8	15	22	29		
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Tues.	4	11	18	25		Tues.	4	11	18	25		Tues.	4	11	18	25		Tues.	3	10	17	24	31		
Wed.	5	12	19	26		Wed.	5	12	19	26		Wed.	5	12	19	26		Wed.	4	11	18	25			
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Thur.	3	10	17	24		Thur.	4	11	18	25		Thur.	3	10	17	24	31	Thur.	2	9	16	23	30		
Fri.	4	11	18	25		Fri.	5	12	19	26		Fri.	4	11	18	25		Fri.	3	10	17	24			
Sat.	5	12	19	26		Sat.	6	13	20	27		Sat.	5	12	19	26		Sat.	4	11	18	25			
MARCH					JUNE					SEPTEMBER					DECEMBER										
Sun.	..	5	12	19	26	Sun.	..	4	11	18	25	Sun.	..	3	10	17	24	Sun.	3	10	17	24	31		
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Fri.	3	10	17	24	31	Fri.	2	9	16	23	30	Fri.	1	8	15	22	29	Fri.	1	8	15	22	29		
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1945

CALENDAR

1945

JANUARY					APRIL					JULY					OCTOBER									
Sun.	..	7	14	21	28	Sun.	1	8	15	22	29	Sun.	1	8	15	22	29	Sun.	..	7	14	21	28	
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Tues.	..	2	9	16	23	30	Tues.	3	10	17	24		Tues.	3	10	17	24	31	Tues.	2	9	16	23	30
Wed.	..	3	10	17	24	31	Wed.	4	11	18	25		Wed.	4	11	18	25		Wed.	3	10	17	24	31
Thur.	..	4	11	18	25		Thur.	5	12	19	26		Thur.	5	12	19	26		Thur.	4	11	18	25	
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Sat.	..	6	13	20	27		Sat.	7	14	21	28		Sat.	7	14	21	28		Sat.	6	13	20	27	
FEBRUARY					MAY					AUGUST					NOVEMBER									
Sun.	..	4	11	18	25	Sun.	..	6	13	20	27	Sun.	..	5	12	19	26	Sun.	..	4	11	18	25	
Mon.	..	5	12	19	26	Mon.	..	7	14	21	28	Mon.	..	6	13	20	27	Mon.	..	5	12	19	26	
Tues.	..	6	13	20	27	Tues.	1	8	15	22	29	Tues.	..	7	14	21	28	Tues.	..	6	13	20	27	
Wed.	..	7	14	21	28	Wed.	2	9	16	23	30	Wed.	1	8	15	22	29	Wed.	..	7	14	21	28	
Thur.	..	1	8	15	22	....	Thur.	3	10	17	24	31	Thur.	2	9	16	23	30	Thur.	1	8	15	22	29
Fri.	..	2	9	16	23	....	Fri.	4	11	18	25	....	Fri.	3	10	17	24	31	Fri.	2	9	16	23	30
Sat.	..	3	10	17	24	....	Sat.	5	12	19	26	....	Sat.	4	11	18	25	....	Sat.	3	10	17	24	....
MARCH					JUNE					SEPTEMBER					DECEMBER									
Sun.	..	4	11	18	25	Sun.	..	3	10	17	24	Sun.	2	9	16	23	30	Sun.	2	9	16	23	30	
Mon.	..	5	12	19	26	Mon.	..	4	11	18	25	Mon.	3	10	17	24	....	Mon.	3	10	17	24	31	
Tues.	..	6	13	20	27	Tues.	..	5	12	19	26	Tues.	4	11	18	25	....	Tues.	4	11	18	25	....	
Wed.	..	7	14	21	28	Wed.	..	6	13	20	27	Wed.	5	12	19	26	....	Wed.	5	12	19	26	....	
Thur.	..	1	8	15	22	29	Thur.	..	7	14	21	28	Thur.	6	13	20	27	....	Thur.	6	13	20	27	....
Fri.	..	2	9	16	23	30	Fri.	1	8	15	22	29	Fri.	7	14	21	28	....	Fri.	7	14	21	28	....
Sat.	..	3	10	17	24	31	Sat.	2	9	16	23	30	Sat.	1	8	15	22	29	Sat.	1	8	15	22	29

COLLEGE CALENDAR

1943

- Sept. 10 Friday—Pharmacy Apprenticeship Studies, Book 3, Examination—College building, 10 A.M.
- Sept. 13 Monday, 10 A.M.—Opening lecture and enrolment of first-year students only. *All students contemplating taking the course must be present at this time.*
- Sept. 14 Tuesday, 10 A.M.—Opening lecture and registration of second-year students.
- Sept. 15 Wednesday, 9 A.M.—Fees' day for first-year students. All freshmen must come prepared to pay their fees on this date (accepted cheques preferred; see pages 31-32) and present their statutory declarations of apprenticeship service and certificates of **successful** vaccination.
- Sept. 16 Thursday, 9 A.M.—Fees' day for second-year Students. Accepted cheques preferred; see pages 31-32.
- Sept. 22 Wednesday, 10.30 A.M.—Formal opening of College session.
- Sept. 29 Wednesday—Opening address by the President of the University to all students at 4.15 P.M. in Convocation Hall.
- Nov. 15-19 Monday-Friday—Semi-annual session of College Council.
- Dec. 6-11 Monday-Saturday—Term examinations.
- Dec. 11 Saturday—Close of fall term.

1944

- Jan. 3 Monday, 9 A.M.—Opening of spring term.
- April 6 Thursday—Spring term closes.
- April 7 Good Friday.
- April 17 Monday—Annual University examinations commence—first and second years.
- April 24 Monday—Licensing examinations commence.
- June 5-9 Monday-Friday—Semi-annual session of the College Council.
- June 8-9—Thursday-Friday—University commencement.

OFFICERS OF ADMINISTRATION

<i>President</i>	H. S. TAPSCOTT
<i>Vice-President</i>	H. V. MERCER
<i>Registrar-Treasurer</i>	To be appointed
	Telephone ELgin 1546
<i>Secretary to the Registrar</i>	MISS F. M. WARD, B.A.
<i>Librarian</i>	MISS H. M. WALTON
<i>Solicitor</i>	P. E. F. SMILY, K.C.
	Telephone ELgin 5277
<i>Inspector</i>	W. G. SMITH

COUNCIL

A. F. ASTLEY	Ottawa	District No. 1
LIEUT.-COL. F. C. CURRY	Brockville	District No. 2
H. V. MERCER	Lindsay	District No. 3
J. W. PRESTON	Toronto	District No. 4
O. M. MITCHELL	Toronto	District No. 5
H. M. CORBETT	Creemore	District No. 6
W. J. ABELL	Brampton	District No. 7
W. S. LUTON	Hamilton	District No. 8
H. S. TAPSCOTT	Brantford	District No. 9
P. T. MOISLEY	North Bay	District No. 10
F. A. LEMON	St. Thomas	District No. 11
J. A. Campbell	Goderich	District No. 12
W. O. Austin	Windsor	District No. 13

COMMITTEES

<i>Education:</i>	H. M. CORBETT, H. V. MERCER, W. O. AUSTIN.
<i>Finance and Property:</i>	J. W. PRESTON, F. C. CURRY, A. F. ASTLEY.
<i>By-Laws and Legislation:</i>	W. J. ABELL, F. A. LEMON, W. S. LUTON.
<i>Division and Infringement:</i>	O. M. MITCHELL, P. T. MOISLEY, J. A. CAMPBELL.
<i>Discipline:</i>	H. S. TAPSCOTT, W. J. ABELL, O. M. MITCHELL.
<i>Pharmacy Extension:</i>	W. J. ABELL, F. A. LEMON, H. M. CORBETT, H. V. MERCER.
<i>Library and Museum:</i>	H. M. CORBETT, F. C. CURRY, O. M. MITCHELL.

FACULTY

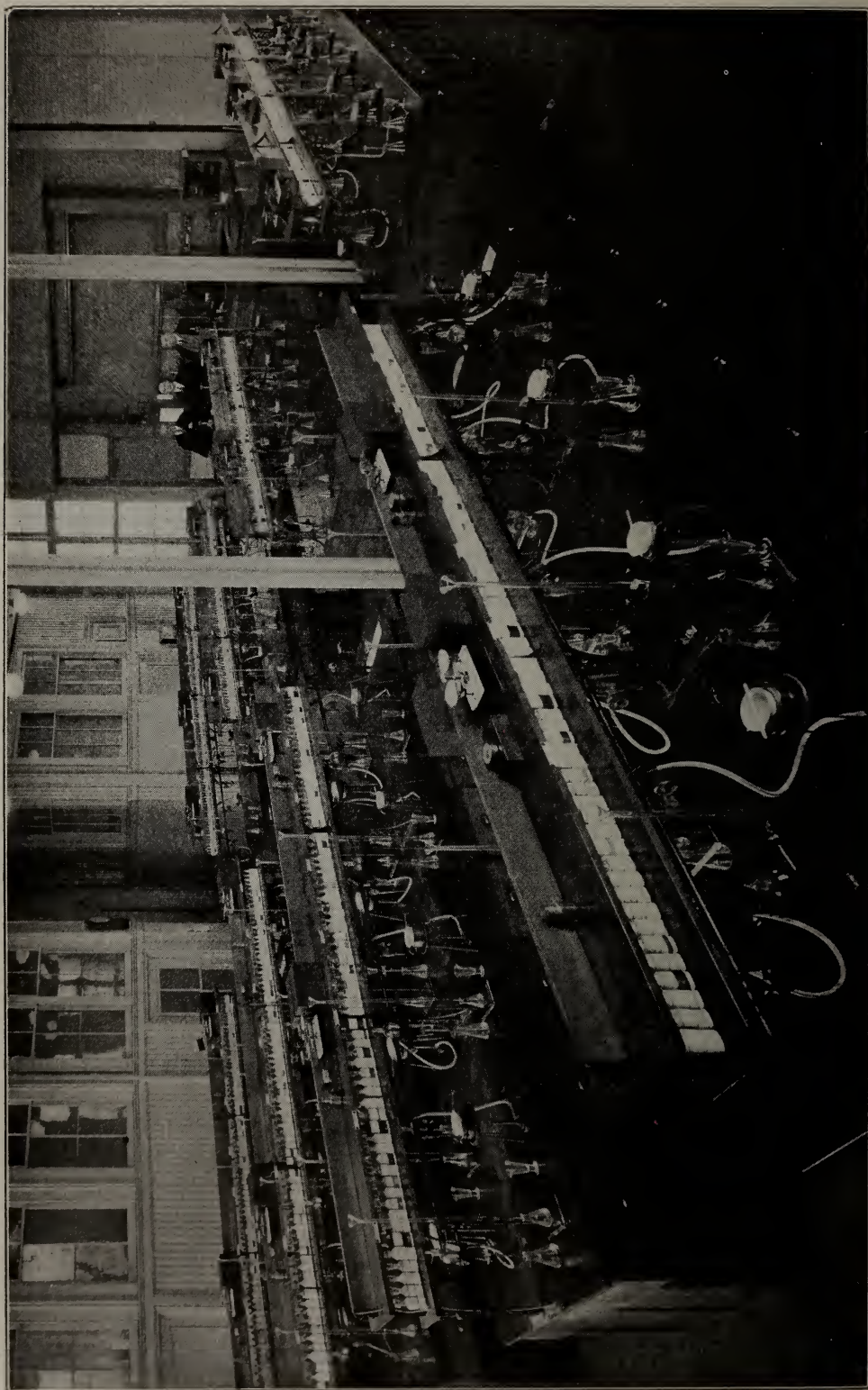
ONTARIO COLLEGE OF PHARMACY

- R. O. HURST, Phm.B. (Toronto), 1915, Dean of Faculty, Professor of Pharmacy.
GEO. A. EVANS, Phm.B. (Toronto), F.C.I.C., Emeritus Professor of Chemistry.
CECIL C. CLARK, Phm.B. (Toronto), 1928, Associate Professor of Pharmacy and Materia Medica.
F. NORMAN HUGHES, Phm.B. (Toronto), B.S. in Phar. (Purdue), 1937, Associate Professor of Materia Medica and Pharmaceutical Chemistry.
*DONALD E. MACKENZIE, B.Sc. (Dalhousie), Phm. Dpl. (Mar. Coll. Phm.), 1939, Assistant Professor of Pharmacy.
WALTER L. C. RICHARDSON, B.A. (Toronto), 1933, Instructor in English.
NORMAN McLEOD, M.A. (Queen's), B.Paed. (Toronto), 1940, Instructor in English.
GARNET R. PATERSON, Phm.B. (Toronto), 1942, Laboratory Assistant.

UNIVERSITY OF TORONTO

- V. E. HENDERSON, B.A., M.B. (Toronto), Professor of Pharmacology.
D. T. FRASER, M.C., B.A., M.B., D.P.H. (Toronto), Professor of Hygiene and Preventive Medicine.
H. WASTENEYS, Ph.D., F.R.S.C., Professor of Biochemistry.
A. F. COVENTRY, B.A., Professor of Vertebrate Embryology.
L. J. ROGERS, B.A.Sc., M.A. (Toronto), Professor of Chemistry.
F. R. LORRIMAN, M.A., Ph.D. (Toronto), Associate Professor of Organic Chemistry.
G. F. WRIGHT, B.Sc., Ph.D. (Toronto), Associate Professor of Chemistry.
F. E. BEAMISH, M.A. (McMaster), Associate Professor of Chemistry.
F. E. W. WETMORE, B.Sc. (New Brunswick), M.A., Ph.D. (Toronto), Assistant Professor of Chemistry.
F. O. WISHART, M.A., M.D. (Toronto), Assistant Professor of Hygiene and Preventive Medicine.
A. J. V. LEHMANN, M.Sc. (Alberta), Lecturer in Botany.

*On leave of absence.



SENIOR PHARMACEUTICAL AND DISPENSING LABORATORY

HISTORICAL SKETCH

THE Ontario College of Pharmacy as incorporated in 1871 was a lineal descendant of the Toronto Chemists' and Druggists' Association. This small group was formed in June, 1867, and soon included members from all parts of Ontario with the result that its name was changed to the Canadian Pharmaceutical Society. After several unsuccessful attempts to obtain federal legislation to control the practice of pharmacy, the association directed its attention toward securing an Ontario Act and in 1869 adopted the name "Ontario College of Pharmacy." Their efforts were finally successful when the legislature approved the Pharmacy Act of 1871.

By the Act of 1871 administrative authority was granted to a Council to be elected biennially by the members of the College. Anyone who had been practising pharmacy or who had served an apprenticeship of three years and acted as a pharmacist's assistant for one year was admitted, upon payment of a fee, to full membership in the College and entitled to practise without examination. Power was granted to the Council to examine candidates for licence to practise pharmacy in Ontario. Semi-annual examinations were instituted in 1872 and continued until 1897 when they became annual events. Five candidates presented themselves at the first examination; three were successful in obtaining the required 60 per cent.

First Teaching College Although the College was empowered to acquire real estate and to establish a teaching institution, neither was accomplished for a few years. A few apprentices attended lectures held by E. B. Shuttleworth and others to prepare them for the licensing examinations in the College of Technology (later School of Practical Science) on Scott Street. Money was also granted for classes in other cities and towns. In 1882, the Council was financially able to establish a "teaching College." Rooms were obtained in the former Mechanics' Institute on Wellington Street and E. B. Shuttleworth, H. J. Rose and W. S. Robinson were appointed as the first faculty. Professor Shuttleworth, who had been lecturer on Practical Pharmacy in the Medical Department of Trinity College, was named Dean. The site at 44 Gerrard Street East was purchased in 1885, and the first building erected during 1886 at a total cost of about \$20,000. The official opening of the school on February 3, 1887, was a milestone

in Canadian pharmacy as this College of Pharmacy was the first to be built in Canada.

No definite apprenticeship period nor course of study had been stipulated in the original Pharmacy Act. Amendments passed in 1884 made a four-year apprenticeship training compulsory with a preliminary examination equivalent to high-school entrance. Compulsory attendance at College was not made a prerequisite to the licensing examination until 1889 when amendments were approved requiring attendance at "Junior and Senior" courses of lectures and demonstrations. With the inauguration of a teaching college in 1882, courses in Pharmacy, Chemistry, Materia Medica, Botany, and Practical Dispensing were included, lectures being given for three hours daily over a period of about three months. With the construction of the new building this time was increased to five months, and by the Act of 1889 the course was divided into a Junior Term (October to December) and a Senior Term (January to May). The amendments of 1889 also granted power to the Council to alter the curriculum as necessary.

The original building was enlarged in 1891 to provide the large laboratories at the rear, as the small rooms on the first floor were inadequate to provide accommodation for the increasing number of students. This same year, Charles F. Heebner joined the faculty and was appointed Dean one year later, which position he held until 1937, when Dean R. O. Hurst succeeded to the office.

The enlargement of the building in 1891 and the purchase of much new equipment provided a real impetus for the advance of pharmaceutical education in Ontario. Whereas the first class in 1882 included nineteen students, the number had become stabilized at about one hundred early in the present century. Recognition of the standards of the College by many state boards of pharmacy of the United States and provinces of Canada provides evidence of the adequacy of the course at that time.

University of Toronto Affiliation In 1892, affiliation with the University of Toronto was effected whereby those licentiates of the College who desired might receive the degree of Bachelor of Pharmacy (Phm.B.) upon passing a special examination, controlled by the University. The examiners appointed were usually the members of the College faculty, whereas those for the licensing examination were graduates of the College engaged in the practice of retail pharmacy. By the agreement of affiliation the Ontario College of Pharmacy is

now granted the privilege of appointing three members to the Senate of the University.

The Two-Year Course As early as 1894 a two-year course had been proposed by the Faculty and Council, but inadequate space prevented its inception. Finally, in 1927, the longer course was instituted, a portion of the work (Chemistry, Botany, Microbiology, Microscopic Pharmacognosy, Experimental Pharmacology) being taught in the respective departments of the University of Toronto. The subject-matter of the two-year course has been considerably modified until it is now quite inclusive. With the institution of the second year the actual time of apprenticeship was reduced to three years. The educational value of the apprenticeship period was markedly enhanced in 1935 with the adoption of a definite course of study and annual examinations to be taken by the apprentice.

New College and Optional Third-Year Course In order to provide a more highly specialized training for graduates who would wish to enter pharmaceutical laboratories or manufacturing plants, hospital pharmacies or clinical laboratories, an optional third-year course was approved in 1939. This necessitated increased accommodation for new laboratories. Accordingly the present new building was erected in 1940 and 1941, being officially opened on November 19, 1941. A very modern structure was erected on the adjoining property to house the library, offices, and assembly hall, while the new laboratories and class-rooms were provided in the former building. The older structure, including lecture rooms, students' rooms, corridors, and façade were completely modernized to be in harmony with the new east wing.

Administration of the College Since its incorporation in 1871, the Ontario College of Pharmacy has been owned and operated by the pharmacists of the province through the biennially elected Council of thirteen members. Authority is therefore vested in the pharmacists for the administration of pharmaceutical matters in Ontario, including education.

PHARMACY AS A CAREER

PHARMACY as a career may be examined from different angles and the point of view is altered considerably by the person's ambition. The practice of pharmacy in its loftiest sense is highly scientific and requires much study. On this plane it has to do with medical supplies only, the compounding of prescriptions and considerable laboratory control and manufacturing to supplement such practice. Or it may be considered as a combination of active dispensing and the general business of buying and selling selected products of a pharmacy. By the less ambitious person it can become a practice of pharmacy in name only, its activity being largely mercantile.

Keen observers affirm that in the decade following the first World War, a period of unusual prosperity, the fine art of the pharmacist's duty was somewhat overshadowed by the successful merchandising of a business. In the decade preceding the second World War there was a definite tendency toward the practice of professional pharmacy; that is, less interest in the selling of many commodities, and an increased desire to make the shop a centre of medical interest.

Pharmacy offers the prospective student a definite position and opportunity among his fellow-men. The cost of training for such a position is less than is required for some other professions, inasmuch as part of the training is spent in a pharmacy for which the student receives remuneration which is often sufficient for general maintenance. The two years or more spent at College is a period of direct cost.

As indicated above, the course of training in pharmacy requires a period of three years of apprenticeship under a qualified pharmacist. During this period the student has an opportunity to learn a great deal about the practical side of pharmacy, shop routine, business methods, inter-relationship of the pharmacist with the physician and the public. This daily contact with the customers of the shop helps the student to develop those characteristics which are necessary for public relationships.

PROSPECTS

Retail Pharmacy

This field offers the widest scope of opportunity. A graduate of the College may own a pharmacy, he may enter into a partnership with another pharmacist who may intend to retire later, or he may manage a pharmacy without any financial investment.

It is true that the ownership of a successful retail pharmacy is a source of pride and independent income, and it is also true that it demands close supervision and long hours of service. The pharmacist has the knowledge that he is a helpful factor in the life of the community and is offered many opportunities to advise and assist his employees who may be less fortunate.

Manufacturing Pharmacy

A large percentage of pharmaceuticals are prepared in industrial centres for which expensive apparatus is required. The crude material as well as the finished products must be tested and examined in order to meet the exacting requirements of uniform dosage, purity, and stability. The control laboratories and the manufacturing departments require pharmacists with special technical training for this work. In order to assist our graduates to qualify for such positions, this College has added an extra year to the regular college course. This extra course may be taken only after the candidate has successfully fulfilled the conditions of the undergraduate course of studies. The opportunities in manufacturing pharmacy are not what one would call numerous, yet they are sufficient to induce students who do not care for retail pharmacy to train for such positions.

Hospitals and Medical Clinics

There are many hospitals in Ontario which have an established pharmacy as part of the institution. The statutes of the Province require qualified pharmacists to do the dispensing. There is an ever-growing tendency to require the pharmacist to supervise other phases of hospital routine such as the examination of standards for many items that are purchased by the hospital. The knowledge that the pharmacist can serve as a technical expert, and can contribute to the economical maintenance of a hospital, is making the position of a hospital pharmacist important.

In medical clinics where dispensing is required and where routine technical work is carried out, such as examination of blood and urine, a graduate of this College may find employment. Advanced training for such positions is given in the third year of the College course.

Women in Pharmacy

The opportunities for women graduates are increasing. They find a natural place in hospitals, medical clinics, and in the larger dispensaries. Many women own their own retail pharmacies.

Miscellaneous

Graduates in pharmacy have a basic training which enables them to take various positions. Some offer their services as travelling representatives of pharmaceutical and biological manufacturing companies, crude drug houses, and manufacturers of synthetics and essential oils.

Graduates who take post-graduate work and obtain higher degrees in some branches of pharmacy may find an opportunity as teachers in colleges of pharmacy or as analytical chemists for which the basic training is most valuable.

Vocational Talks

The attention of the principals of Collegiate Institutes and High Schools is directed to a service offered by this College. Members of the Faculty are prepared to appear before classes at assembly hour and present pharmacy as a career, in a ten- to twenty-minute talk.

Pharmacy as a Career is available in booklet form to assist principals and teachers of secondary schools in vocational guidance. Copies may be obtained upon application to the office of the Registrar.

DESCRIPTION OF COLLEGE

Lecture Rooms

Students of the first and second years will receive their lectures in the two completely renovated lecture rooms. These rooms, finished in modern design, with excellent lighting and air-conditioning, are capable of seating about one hundred and seventy-five. As has been the custom in the past each student leases his own particular seat in each room and may use no other during the year. A lecture table, extending across the front of the room, is equipped with gas, water, and electricity for demonstrations. Students of the third year will receive many of their lectures in the newly appointed lecture room in the south-west corner of the third floor of the building. Although less spacious than the main lecture theatres, this room is ideal for smaller groups.

Practical Pharmacy Laboratory

Situated on the second floor and north of the lecture theatre is the well-equipped practical pharmacy laboratory. This room, designed to accommodate seventy-two students or a double section of one hundred and forty-four, is well adapted to the needs of the practical course given there to the students of the first year. In addition to the usual laboratory equipment and locker space, a drying room is available for exercises in desiccation. Efficient ventilation and first aid supplies contribute here and in all the laboratories to pleasant and safe working conditions.

Dispensing Laboratory

Directly above the practical pharmacy laboratory is the dispensing laboratory. This well-appointed, spacious room is identical in size with the one below and will accommodate about the same number of students. In addition to a complete complement of dispensing apparatus, the student is supplied with equipment to carry out drug assaying and analyses. Besides gas service, all the laboratories have both hot and cold water available. Additional laboratories, preparation rooms, and materia medica supply rooms adjoin these larger rooms.

Physiological Chemistry and Assay Laboratory

Designed to provide complete facilities for work in both Physiological Chemistry and advanced assays of the pharmacopoeia, this laboratory is of totally new plan and construction. A centre table

includes gas, water, and electrical services for each locker. Along one wall is a fume cabinet and water-bath unit, while on the opposite side additional bench space is provided and the compressed air supply is found. At the south end, under large windows, microscopic, colorimetric, and other special operations will be conducted.

Sterilization Room

Directly over the main student entrance is the sterilization and ampoule room. This laboratory, completely air-conditioned and pure white in colour scheme, is of rather unconventional design to conform to the greatest degree with the specialized work required in it. Special hood-protected working benches and tiled interior approach closely ideal conditions for the preparation of sterile medicinals and ampoula products. Autoclaves, electric oven, and refrigerator in addition to ampoule filling and sealing devices contribute to this self-contained unit.

Manufacturing Laboratory

Students of the third year will spend quite a portion of their time in the manufacturing laboratory, which is situated in the south-west corner of the second floor. A completely new room, equipped with student locker space and apparatus, contains many "pilot" size pieces of pharmaceutical machinery. The student will see at first hand and operate a tablet machine, a pill coater and polisher and will become familiar with various types of drug grinders, ointment mills, mixers, filling devices, *etc.* Electrical services of different voltages will be available as well as gas, hot and cold water, compressed air, and vacuum outlets.

Balance Room

Adjacent to the Physiological Chemistry and Assay Laboratory, an artificially lighted and air-conditioned room has been provided for the location of analytical balances. The balances, each resting on a separate, specially constructed table, will thus be protected to a large degree from draughts, vibrations, and changes in temperature.

The Library

The new library, now situated on the ground floor of the east wing, provides space for more than twenty-five hundred volumes, comprising periodicals, journals, diversified text-books, *etc.* Open cases, recessed into two walls, contain adjustable shelves and cupboard space designed

to accommodate the particular types and sizes of books and unbound material. This well-lighted room contains two large rectangular tables of unique design with sixteen matched chairs. These appointments afford the opportunity for full use of the library as a source of reference, and a librarian in attendance at all times facilitates the borrowing and return of books by the students.



THE LIBRARY

The Museum

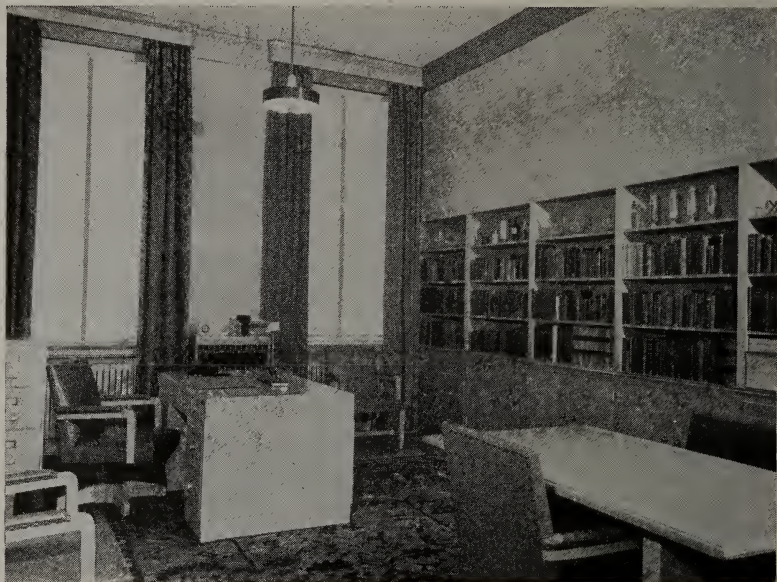
In order to link modern pharmaceutical concepts and practice with the heritage of the past, the College has established a museum. Modern display cases show to advantage pieces of apparatus, manuscripts, and other relative material belonging to the yesterday of pharmacy and donated by graduates and friends of the College.

Students' Rooms

On the first floor of the western portion of the building, much thought and planning has been devoted to suitable facilities for the men students. At the front of the building two study and reading rooms, with furniture in keeping, are provided, while a recreation room is found close by. Towards the rear, a large space has been reserved for individual lockers, each student having his own during the term.

Assembly Hall

On the third floor, extending across the entire expanse of the east wing, is an air-conditioned, thoroughly modern assembly hall. This room, of most pleasing proportions and decorum, may seat as many as two hundred and fifty on chairs designed for quick installation and removal. At the west end of the room, access is gained to a compact,



OFFICE OF THE DEAN

modern kitchen with complete equipment. Beyond the kitchen, a sitting-room for women students, fitted with suitable furniture, provides a restful and pleasant retreat during leisure periods.

Offices

All of the administrative and faculty offices are completely new and situated on the first and second floors of the east wing. Like the library, the wood-work on the doors, walls, and furniture has been standardized and appears in the rich and pleasing "limed oak." The offices of the Registrar-Treasurer, Secretary, and Inspector are found in a suite opposite the library. Directly above the library is the magnificently appointed board room, an air-conditioned room of considerable size. Next in line is the office of the Dean, also splendidly furnished and

containing in addition to regular matching furniture, a substantial recessed bookcase. The faculty office adjoining, also fitted with a spacious bookcase, is designed to accommodate members of the staff. Between all of these offices, caretaker's rooms, and laboratories, a complete intercommunication system has been established, by which a two-way conversation is possible between any two points mentioned.



OFFICE OF REGISTRAR-TREASURER

UNIVERSITY OF TORONTO

DESCRIPTION

Hart House

Hart House, the gift of the Massey Foundation, is so called in memory of Mr. Hart Massey. This house, which is for the use of men only, is far more than a student's club. In its widest interpretation it seeks to provide for all the activities in the undergraduate's life apart from the actual work in the lecture room.

Hart House contains under one roof a dining hall, common-rooms, library, debates room, music room, a small chapel, together with rooms for the use of the Student Christian Movement, an art gallery, an arts and crafts room, photographic rooms, billiard room, gymnasias, swimming pool, running track, rifle range, and theatre.

The House is open from 8.00 A.M. to 11.00 P.M. daily and meals are served to students in the Great Hall. Members are entitled to full privileges in all rooms in the building between these hours and the use of the gymnasias, pool, showers, and locker rooms until 6.30 P.M. each day except Saturday and Sunday, subject to the regulations of the Athletic Association. On Saturday the pool together with the rest of the athletic wing closes at 4.30 P.M.

The annual fee (September to May) is \$12.00. To prevent the use of the building by unauthorized persons, every member should carry his registration card and show it on request. Any member wishing to introduce a guest should obtain a card from the warden's office.

The University Library

The University Library building is situated on the east side of the lawn that lies to the south of University College. It contains reading-rooms for men and for women, a law reading-room, and a medical reading-room, besides departmental studies which may be used as study rooms for honour students in the various departments in which the professors hold seminary courses, and private studies intended for advanced students engaged in research work. The University Library maintains also reserved book reading rooms in University College and in the Economics building.

The Students' Administrative Council

The Students' Administrative Council is composed of the president and head of the recognized men and women student organizations in each of the colleges, faculties and departments of the University, as outlined in Article 4 of the constitution. The Students' Administrative Council assumes responsibility for the publication of *The Varsity*, *Torontonensis*, and the *Students' Handbook*. It represents the students at University functions and on public occasions, and receives and administers all funds accruing from Student Council fees, revenues from publications, and such other funds as shall become the property of the Students' Administrative Council; and through its secretaries it organizes such intercollegiate and university activities as may be of interest to the student body as a whole.

The University band and the symphony orchestra, as well as inter-university debates, are organized and administered by the Students' Administrative Council. The sale of official University rings, pins, crests, *etc.*, and orders for official blazers are also in the hands of the Council. In addition, the Council operates an employment bureau for men and women undergraduates for summer, Christmas, and part-time work. It operates a loan fund for men and women undergraduates in the final two years of their courses (in the second year of the course in Pharmacy). Applications for loans must be made to the Students' Administrative Council's office in January of each year. It operates, as well, a housing service for men students.

The annual fee paid by all undergraduates proceeding to a degree, provides for a year's subscription to *The Varsity* and entitles the student to a copy of *Torontonensis* upon graduation and also to a copy of the *Students' Handbook* at the beginning of each Michaelmas term. It makes available the facilities of the employment bureau to all students and the loan fund to students in the final two years of their courses. The fee also covers administrative costs of the Students' Administrative Council.

The Athletic Association

By the authority of the Board of Governors, university athletics for men are under the control of the University of Toronto Athletic Association of which the executive body is the Athletic Directorate consisting of:

- the President of the University,
- two members of the faculty, appointed by the President,
- two graduates, appointed by the Athletic Advisory Board,
- the Medical Director, the Athletic Director, and the Financial Secretary (*ex-officio*),

five undergraduates, elected annually from the student body, an undergraduate representative, appointed by the Men Students' Administrative Council.

The Directorate alone has the power to sanction the use of the name "The University of Toronto" in connection with men's athletics, and no men's athletic event can be held in the University without its approval. It has full control and direction of the gymnasias, the swimming pool, the locker rooms, showers, and other conveniences in connection with athletics in Hart House, the athletic fields, stadium, and ice arena. The Directorate is empowered by the Board of Governors to make the necessary arrangements to effect the carrying out of the university regulations requiring Physical Education for men. The annual athletic fee, subject to certain limitations, provides for the opening of the gymnasias and swimming pool at nights, permits each student to attend home games of the University football and hockey teams, and offers other privileges such as skating at the outdoor rink and affiliation with golf, riding, and ski-ing clubs, *etc.*

***Canadian Officers' Training Corps**

The University of Toronto Contingent, Canadian Officers' Training Corps, provides university students with the opportunity of obtaining qualification as officers in the Canadian military forces.

Instruction is given in the following specialized arms: Artillery, Engineers, Signals, Infantry (Rifle), Infantry (M.G.), Army Service Corps, Army Medical Corps, Army Dental Corps, and Ordnance. Certain of these arms are open only to students or graduates in appropriate university courses.

Those students who take the Military Studies option in their university course will find little additional work entailed in preparing for the written examinations of the C.O.T.C. course of qualification.

University credit in Physical Education (compulsory in the first two years) is granted to members of the contingent who complete the annual training satisfactorily.

The Training Centre Battalion, with headquarters in Hart House, was established at the beginning of the session 1940-1 to provide Military Training for those students, 18 to 24 years of age inclusive, who were not enrolled in the Officers' Training Battalion.

*See insert.

REQUIREMENTS FOR ADMISSION

Educational Requirements

A candidate for admission to the course in Pharmacy shall, before the term of his apprenticeship begins, present to the Registrar the Ontario Secondary School Graduation Diploma and the Ontario Grade XIII Certificate (or equivalent certificates which must be approved by Council) showing that he has completed satisfactorily and obtained the required standing in the following subjects.

Secondary School Graduation Diploma

The subjects covered by this diploma must include

Latin—Authors and Composition

Science—Physics and Chemistry *or*

Agriculture Part I and Part II

Grade XIII Certificate

English

Mathematics—(two of Algebra, Geometry, Trigonometry)

Science—(two of Botany, Chemistry, Physics, Zoology)

One of—French

Latin

German

Greek

Italian

Spanish

One of—History

A mathematical subject not chosen above

Music

Two sciences not chosen elsewhere

A second foreign language

The equivalent of the above Secondary School Graduation Diploma and Grade XIII certificate will be accepted in accordance with the regulations of the University of Toronto.

Apprenticeship Registration

An applicant for registration as an apprentice must—

1. Present the prescribed educational qualifications.
2. State name and address of intended preceptor.

3. Advise if there is any other apprentice in the store.
4. Remit \$2.00 which includes Registration Fee and payment for *Pharmacy Apprenticeship Studies*.

Regulations Governing Apprentices

1. The applicant will receive a set of apprenticeship papers. These forms must be properly completed, signed, signatures witnessed and returned to the Registrar. Until this is done the apprentice is not legally registered.
2. Before an apprentice shall sever his connection with one preceptor he must first receive the written consent of that preceptor and then re-register immediately with his new preceptor.
3. Thirty-six complete months of apprenticeship must be served in Ontario before entering College.
4. The apprentice must obtain a statutory declaration from each preceptor for time served with him and must present this declaration within three days after the opening of College.
5. There can be one apprentice only to correspond to every qualified pharmacist employed in any one place of business.
6. Registration of apprentices on or before September 15 in any year is essential if it is desired to begin the College Course in September of the third year following.

PHARMACY APPRENTICESHIP STUDIES

During the three years of apprenticeship the student must pursue an active course of studies and write examinations based on the outline given for the work of each year.

The student will receive many benefits from a close attention to the conditions outlined by the College. The mental training during these years will enable him to pick up more quickly the study habit when he enters College. He will have learned a great many facts and principles which will enable him to be of greater service to his preceptor.

The text prescribed for the above studies—*Pharmacy Apprenticeship Studies*, Hurst—is supplied to the apprentice when he registers. The book deals with many subjects such as Latin, doses, dispensing, and business essentials of pharmacy.

The student is required to read during the first two years some supplementary books. These are listed under Collateral Reading and may be obtained from the College library if they are not obtainable in the local library. The student must keep a note-book of the MSS type in which he records a synopsis of his collateral reading, and any notes from his miscellaneous reading that would be pertinent to his general knowledge. This note-book must be turned in at the time of the examination on Book III.

An apprentice is required to pass the examinations as stated below. If he fails to pass the first examination (on Books 1 and 2) he does not advance to his third year of apprenticeship. Both examinations must be passed before the candidate will be permitted to take the course of study at the College. Anyone who has failed in the examination on two successive years of his Pharmacy Apprenticeship Examinations shall not be entitled to continue as an apprentice unless permitted to do so by the Council.

First- and Second-Year Apprentices

An examination on Books 1 and 2 (combined) of the prescribed text-book will be held on Wednesday, March 15, 1944 at 2 P.M. for all apprentices registered before September 16, 1942, and who have not yet passed an examination on Book 2.

Third-Year Apprentices

Third-year apprentices will be required to pass an examination on the combined Books I, II, and III, Friday, September 10, 1943, at 10 A.M., at the Ontario College of Pharmacy. The student is expected to present his note-book for inspection at this time.

Examinations

Apprentices in the city of Toronto and the following areas will write the examinations in the college building at 44 Gerrard St. East, Toronto: New Toronto, Long Branch, Mimico, Islington, Lambton, Mount Dennis, Weston, North Yonge Street (including Thornhill), Agincourt, Port Credit, Dunbarton, Pickering, Etobicoke.

All apprentices residing in Ontario, outside the above-named centres, will write the first examination in March under the supervision of the preceptor in his or her place of business.



THE BOARD ROOM

GENERAL STATEMENT OF THE COLLEGE COURSE

The Two-Year Course for Degree and Licence

Following the completion of the prescribed apprenticeship period, the student must complete the entire College course as outlined in this *Calendar* (page 37). The course extends over two academic years, part of which is taken at the University of Toronto and the remainder at the Ontario College of Pharmacy. The degree of Bachelor of Pharmacy is conferred by the University upon those candidates who successfully pass the degree examinations of the second year. The licence to practise pharmacy in Ontario is granted to those students who have obtained prerequisite standing in the above examination and are successful in the licensing examination.

The Optional Third-Year Course

Commencing after the war, graduates of this College or with equivalent training in other colleges, who meet the specified requirements in proficiency, will be permitted to enrol in a special course of study extending over one academic year. A certificate will be granted by the College to those who are successful in the examinations of this year. Under certain conditions students may be permitted to register in one or more courses of this third year for transfer credits.

PROCEDURE FOR ADMISSION TO THE COLLEGE

1. The applicant must have passed successfully the necessary *Pharmacy Apprenticeship Studies* examinations.
2. The student must remit to the Registrar before the first of September, a registration fee of \$2.00, which entitles him to a lecture seat and laboratory locker.
3. It is imperative that the student be present at time of enrolment (see *Calendar*, page 7) or be subjected to a penalty as indicated on page 33. On this day, the student should be prepared to submit:
 - (a) Statutory Declaration of apprenticeship served.
 - (b) Certificate of *successful* vaccination.
 - (c) A certified cheque for the specified fees (see *Calendar*, page 31).

Transfer Students

Students from other institutions who wish to enrol in specific courses for credit to be transferred elsewhere must submit an official transcript of their academic record to the Dean of the College for approval.

COLLEGE AND UNIVERSITY FEES

First Year Only

1. College Registration Fee..... \$ 2.00
This fee is to be forwarded with application on or before August 15 to the Registrar-Treasurer of the Ontario College of Pharmacy by every prospective student.
2. University Registration Fee..... \$ 5.00
To be paid at the Bursar's Office, University of Toronto, after enrolment at the College.

First and Second Years

1. Fees payable by certified check to the Registrar-Treasurer of the College on fees' day, for each year:

General Tuition Fee.....	\$200.00
Students' Administrative Council Fee.....	4.00
Hart House Fee (men only).....	12.00
Students' Class Fee (men only).....	5.00
Students' Class Fee (women and repeating students) ..	2.50
Athletic Fee.....	3.00
College Library Fee.....	5.00
Pharmaceutical Laboratory Deposit.....	7.00
Microbiological Laboratory Deposit (Second Year).....	1.00

Total payable on fees' day:

Men—Second Year, \$237.00. First Year, \$236.00

Women—Second Year, \$222.50. First Year, \$221.50
 2. University Laboratory Deposit..... \$10.00
Payable at the Bursar's Office, University of Toronto.
- Students repeating either year pay 60 per cent. of the tuition fee and remainder of fees as above.*

Third Year

1. Payable to the Registrar-Treasurer of the College:

Tuition Fee, for courses at the College.....	\$200.00
Registration Fee, payable before August 15.....	2.00
Library Fee.....	5.00
Laboratory Deposit Fee.....	10.00
2. Payable to the University Bursar:

Tuition Fee, for courses at the University.....	\$ 45.00
Library and Laboratory Supply Fee.....	10.00
Laboratory Deposit.....	10.00

Examination Fees

1. University of Toronto Examinations.

Payable to the University Bursar when presenting application for the examinations of the respective years:

First Year.....	\$ 5.00
Second Year, Examination Fee.....	10.00
Phm.B. Degree.....	10.00
Third Year.....	10.00
Supplemental Examination Fee, any year.....	10.00

2. College Licensing Examinations.

Payable to the Registrar-Treasurer of the College two weeks prior to the commencement of the examination:

Second Year, including Diploma Fee.....	\$ 20.00
Supplemental Examination Fee, one subject.....	10.00
two subjects or more..	20.00

3. Third Year, College Examinations and Certificate Fee.... \$ 10.00

Occasional Students

Students taking one or several subjects only of those taught at the College will pay fees according to the following schedule to the Registrar-Treasurer of the College:

Registration Fee.....	\$ 2.00
Tuition Fee, First or Second Year, each subject,	
for the entire session	30.00
for one term	15.00
Tuition Fee, Third Year, each subject.....	40.00
Library Fee.....	5.00
Laboratory Deposit, as stated above.	
Examination Fee, Third Year, one subject.....	5.00
two subjects or more....	10.00

Examination Fees for occasional students in the First and Second Years are payable to the University Bursar in the amounts stated elsewhere.

Rebate of Fees

A student who is forced to leave college during the session will receive a rebate of the tuition fee for the remaining period based on a college year of twenty-six weeks with a minimum charge of \$50.00. No rebate will be made after March 1 of any year.

GENERAL INSTRUCTIONS TO STUDENTS

1. The entrance fee of two dollars must be paid to the Registrar-Treasurer of the Ontario College of Pharmacy before a seat in the lecture room can be allotted. The earlier the fee is paid, the better the choice of seats.

2. All other fees, excepting those for examinations, are payable to the Registrar during the first week of the College session. (See pages 31-32.)

3. *The student must be in attendance* at time of enrolment. The penalty for late enrolment is two dollars for the first day and one dollar for each succeeding day.

4. Each student must attend at least 90 per cent of the lectures and laboratory exercises in each department unless exempted therefrom on account of sickness or other satisfactory cause. A student may be debarred from writing the examinations in either year unless these conditions have been fulfilled.

5. No initiation ceremony, or reception to the First Year, involving physical violence, personal indignity, interference with personal liberty, or destruction of property, may be held by students under the penalty of suspension or expulsion.

6. Students may be suspended or expelled from the College, and may be prevented from continuing their college course for such period of time as the Dean (after a conference with and the approval of the majority of the Faculty), may deem advisable, for any of the following offences: theft, indecent conduct, wilful destruction of college property, disturbance of lectures, general bad conduct, intoxication, and other interferences with the orderly course of routine college work.

7. Students are not permitted to take part in a parade or procession through the city which has not been authorized by the police authorities.

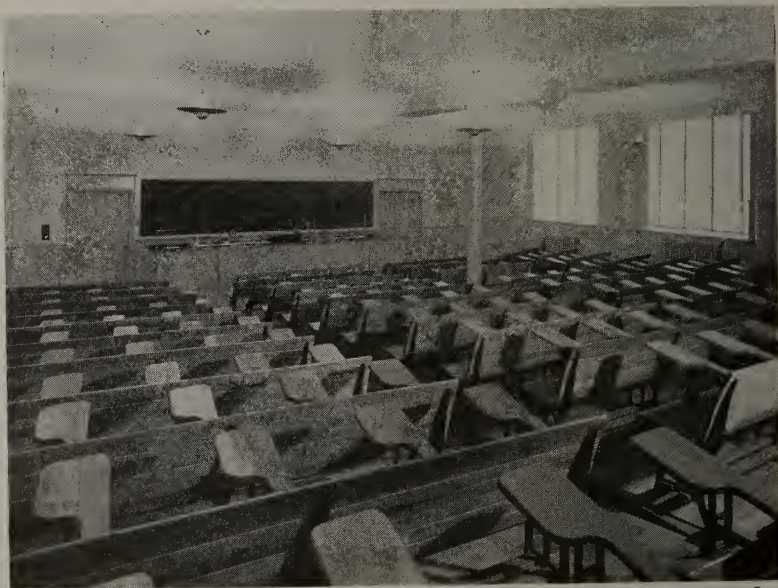
8. By order of the Board of Governors of the University of Toronto, every candidate for admission to any course of instruction at the University must submit a certificate of *successful* vaccination, which certificate must be presented by all first-year students, on *fees' day*, at the Ontario College of Pharmacy.

9. *Boarding and Rooming Quarters.* Board and living accommodation may be obtained in the neighbourhood of the College. The Registrar's office will provide inquirers with a list of suitable boarding houses on their arrival in the city. A number of men may be able to secure suitable

quarters at the Central Y.M.C.A., 40 College Street, and ladies at Willard Hall, Gerrard St. E. Approximate total cost of room and board will vary from about \$8.50 to \$10.50 weekly.

10. In order that the student may be successful in his college course he is advised to plan to devote his whole time to studies. This means that he should have sufficient money to pay all costs without depending on relief work to supplement his treasury.

11. The cost of books for the two years will approximate \$40.00 to \$50.00.



ONE OF LECTURE ROOMS

TEXT AND REFERENCE BOOKS

The following constitute some of the more important books recommended by the various departments:

Pharmacy

British Pharmacopoeia, 1932; *Canadian Formulary*, 1935; Bentley, *A Text-book of Pharmaceutics*, 4th ed.; *British Pharmaceutical Codex*, 1934; Heebner, *A Synopsis of B.P. and Canadian Addendum Preparations*; Cooper and Dyer, *Dispensing for Pharmaceutical Students*, 7th ed.; Scoville and Powers, *The Art of Compounding*; Ruddiman, *Incompatibilities in Prescriptions*; *Pharmaceutical Pocket Book*; *The Merck Manual*, 5th ed.; Cooper and McLaren, *Latin for Pharmaceutical Students*; *The Merck Manual*, 7th ed.; *New and Nonofficial Remedies*; Underwood, *Sterilization*.

Pharmaceutical Chemistry and Chemistry

Appleyard and Lyons, *Practical Pharmaceutical Chemistry*, 3rd ed.; Jenkins and DuMez, *Quantitative Pharmaceutical Chemistry*, 2nd ed.; Schimpf, *Essentials of Volumetric Analysis*; Driver Bentley and Driver's *Text-book of Pharmaceutical Chemistry*, 3rd ed.; Garratt, *Drugs and Galenicals*; *Methods of Analysis of A.O.A.C.*; Bodansky, *Introduction to Physiological Chemistry*, 4th ed.; Bodansky and Fay, *Laboratory Manual of Physiological Chemistry*, 4th ed.; Austin, *Qualitative Inorganic Analysis*; Kenrick, *An Introduction to Chemistry*; Noyes, *Qualitative Analysis*; Kendall, *Smith's College Chemistry*, 2nd ed.; Deming, *General Chemistry*, 4th ed.; Taylor, *Inorganic and Theoretical Chemistry*, 5th ed.; Lowy and Harrow, *Introduction to Organic Chemistry*; Colbert, *Organic Chemistry*; Taylor, *A Shorter Organic Chemistry*.

Botany

Holman and Robbins, *Text-book of General Botany*; Hill, Overholts and Popp, *Botany*; Robbins and Rickett, *Botany*.

Pharmacognosy

Denston, *A Text-Book of Pharmacognosy*; Trease, *Pharmacognosy*; Gathercoal and Wirth, *Pharmacognosy*; Youngken, *A Text-book of Pharmacognosy*.

Physiology and Pharmacology

Best and Taylor, *The Living Body*; Bachman and Bliss, *Essentials of Physiology and Pharmacodynamics*, 3rd ed.; Lynn, *Pharmaceutical Therapeutics*; Sollman, *A Manual of Pharmacology*, 5th ed.; Gershenfeld, *Biological Products*.

Microbiology

Bryan, A. H. and Bryan, C., *Principles and Practice of Bacteriology*; Buchanan, E. D. and Buchanan, R. E., *Bacteriology*, 3rd ed.; Salle, *Fundamental Principles of Bacteriology*; Tanner, *Bacteriology*, 3rd ed.

PLAN OF PRESCRIBED COURSES

FIRST YEAR

Course	FALL TERM Hours Weekly		SPRING TERM Hours Weekly	
	Lecture	Laboratory	Lecture	Laboratory
Pharmacy 11.....	3	—	3	—
Pharmacy 12.....	1	6	1	6
Pharmacy 13.....	2	—	—	—
Pharmacy 14.....	—	—	1	—
Materia Medica 11.....	2	—	2	—
Materia Medica 12.....	—	—	1	2
Chemistry 1B, 1C.....	2	6	2	6
Botany 28.....	2	6	2	6
English.....	2	—	2	—

SECOND YEAR

Course	FALL TERM Hours Weekly		SPRING TERM Hours Weekly	
	Lecture	Laboratory	Lecture	Laboratory
Pharmacy 21.....	4	—	2	—
Pharmacy 22.....	—	—	1	—
Pharmacy 23.....	—	—	1	—
Pharmacy 24.....	—	—	—	6
Pharmacy 25.....	1	—	—	—
Pharm. Chem. 21.....	1	6	—	—
Materia Medica 21.....	3	—	3	—
Materia Medica 22.....	2	—	2	—
Materia Medica 23.....	—	—	2	—
Materia Medica 24.....	—	—	2	—
Chemistry 3A.....	2	—	2	—
Chemistry 3B.....	—	6	—	6
Botany 29.....	—	—	—	6
Microbiology.....	—	3	—	—
Pharmacology Dem.....	—	1½	—	—

THIRD YEAR

Course	FALL TERM Hours Weekly		SPRING TERM Hours Weekly	
	Lecture	Laboratory	Lecture	Laboratory
Pharmacy 31	2	—	2	—
Pharmacy 32	1	3	1	3
Pharmacy 33	1	3	—	—
Pharm. Chem. 31	1	3	1	3
Pharm. Chem. 32	2	6	2	6
Chemistry 15A	—	—	—	6
History of Science and Civil- ization	2	—	2	—

DESCRIPTION OF COURSES

ALL of the courses listed below under the Departments of Pharmacy, Materia Medica, and Pharmaceutical Chemistry, as well as English, are given in the College Building, while the courses in Chemistry, Botany, Microscopic Pharmacognosy, Microbiology, and Experimental Pharmacology are given in the respective departments of the University of Toronto.

The college year is divided into "Fall Term," from September to Christmas vacation, and "Spring Term," from January to May. The time spent in each course during each term is indicated by abbreviations; for example, "2 Lect. 2 Lab. Fall and Spring" indicates that 2 lecture hours and 2 laboratory classes constitute the time spent by the student in that subject for the entire year. Each laboratory class represents 3 hours. The first number in each College course indicates the year in which that course is taught, *e.g.* Pharmacy 11 is a first-year subject.

ONTARIO COLLEGE OF PHARMACY

Department of Pharmacy

DEAN R. O. HURST, Professor; Associate Professor F. N. HUGHES;
Assistant Professor D. E. MACKENZIE; Laboratory Assistant
G. R. PATERSON

Pharmacy 11—General Pharmacy 3 Lect. Fall and Spring

The introductory lectures cover some historical phases of pharmacy, and the history and development of the British Pharmacopœia. Pharmaceutical Arithmetic is given early in the term so that full application of its use may be made in the laboratory exercises of Pharmacy 12. The primary principles of pharmacy are considered along with pharmaceutical processes of extraction and the galenicals and salts of the pharmacopœia.

Text-books: *British Pharmacopœia*; Bentley: *A Text-book of Pharmaceutics*; *Canadian Formulary*.

Dean HURST

Pharmacy 12—Laboratory Pharmacy 1 Lect. 2 Lab. Fall and Spring

Introduction to operative pharmacy is presented through the preparation of various types of official and unofficial galenicals, cosmetics, *etc.*

Technical skill and proficiency in laboratory procedure are important considerations in this course.

Text-books: *British Pharmacopœia*; Bentley, *A Text-book of Pharmaceutics*.

DEAN HURST; MR. PATERSON

Pharmacy 13—Pharmaceutical Latin and Posology 2 Lect. Fall

This is a basic course dealing with the vocabulary and constructions used in the prescription and in the nomenclature of materia medica. In addition, a brief study of therapeutic terms and of doses of official drugs and preparations is included.

Text-book: Cooper and McLaren, *Latin for Pharmaceutical Students*.

Dean HURST

Pharmacy 14—Photography 1 Lect. Spring

Lectures and demonstrations are given on the principles and chemistry of photography. The various types of sensitive material and cameras are described and demonstrated. Suggestions are offered for the successful operation of a photographic department in the retail pharmacy.

Professor HUGHES

Pharmacy 21—General Pharmacy 4 Lect. Fall, 2 Lect. Spring

This is a continuation of Pharmacy 11. Advanced pharmaceutical processes, such as extraction and assay of alkaloidal drugs are studied. Particular stress is also placed upon the principles involved in the dispensing and compounding of official and unofficial preparations.

Text-books: *British Pharmacopœia*; *The British Pharmaceutical Codex*; Bentley, *A Text-book of Pharmaceutics*.

Dean HURST

Pharmacy 22—Prescriptions 1 Lect. Spring

The student is assigned prescription problems and atypical prescriptions on which he is required to report. Problems which involve a special technique are submitted to the dispensing laboratory for experimental study.

Dean HURST

Pharmacy 23—The Practice of Pharmacy

1 Lect. Spring

Such principles as are necessary for the successful operation of a retail pharmacy are presented. Inasmuch as pharmacy cannot be isolated from the realm of business this course deals with the pharmacist's relationship toward the public, the physician, and his associates. The attention of the students is directed to the fine opportunities that are possible for advanced activity in the field of professional pharmacy.

Dean HURST

Pharmacy 24—Dispensing

2 Lab. Spring

The student is instructed in the practical application of the art of pharmacy in the correct compounding of prescriptions. Skill is acquired in the dispensing of mixtures, emulsions, powders, pills, ointments, suppositories, *etc.*, particularly those representing more difficult types.

Text-books: Cooper and Dyer, *Dispensing for Pharmaceutical Students*; *British Pharmacopœia*; *Canadian Formulary*.

Professor HUGHES

Pharmacy 25—Agricultural Lectures

1 Lect. Fall

These lectures are designed to be of particular value to the pharmacist who will be practising in a rural community. Such subjects as Insect Control, Animal Health, Diseases of Poultry, Use of Chemical Plant Foods, Plant Diseases and their control are presented by members of the faculty of the Ontario Agricultural College, Guelph.

Pharmacy 31—Advanced Theoretical Pharmacy

2 Lect. Fall and Spring

Some of the important principles of pharmacy are reviewed and special consideration is given to the new and non-official preparations of both Great Britain and the United States. With smaller groups these discussions will be of the "round table" type; current literature and the library will be used freely.

Text-book: *New and Nonofficial Remedies*.

Dean HURST

Pharmacy 32—Manufacturing Pharmacy

1 Lect. 1 Lab. Spring and Fall

Must be preceded by Pharmacy 11, 12, 21, 22, and 24 or equivalents.

Pharmaceutical products such as tablets, ointments, emulsions. *etc.*, will be prepared. The opportunity will be provided for the student to

become familiar with the operation of mixers, grinders, tablet machines, colloid mills, *etc.*, and to package products in accordance with modern standards.

Professor MACKENZIE

Pharmacy 33—Sterilization

1 Lect. 1 Lab. Fall

Must be preceded by Pharmacy 12 and 24 and Microbiology 5 or equivalents.

The theory and laboratory procedures involved in methods of sterilization will be presented. Included in this course will be the practical technique of preparing ampoular material as well as the preparation, filling and sealing of ampoules. Other sterile products such as solutions, ointments, powders, *etc.*, will be prepared by the student according to standard methods.

Text-books: Cooper and Dyer, *Dispensing for Pharmaceutical Students*; Underwood, *Sterilization*.

Professor MACKENZIE

Pharmacy 34—Research.

Department of Pharmaceutical Chemistry

Associate Professors CLARK and HUGHES; Mr. PATERSON

Pharm. Chem. 21—Volumetric Analysis and Drug Assaying

1 Lect. 2 Lab. Fall

Pharmacopœial assay processes are studied and performed with special emphasis on volumetric methods. Typical gravimetric and alkaloidal determinations are also carried out.

Text-books: Appleyard and Lyons, *Practical Pharmaceutical Chemistry*; *British Pharmacopœia*.

Professor HUGHES; Mr. PATERSON

Pharm. Chem. 31—Pharmaceutical Assaying

1 Lect. 1 Lab. Fall and Spring

Must be preceded by Chemistry 1B, 1C, 3A, 3B, Pharmacy 21, Pharmaceutical Chemistry 21 or equivalents.

Control methods as performed in commercial laboratories are introduced to the student. Crude drugs and chemicals will be assayed for

use in the manufacturing laboratory and the finished products will be analysed to assure conformity with specified standards.

Text-books: Appleyard and Lyons, *Practical Pharmaceutical Chemistry*; Garratt, *Drugs and Galenicals*; *Methods of Analysis of A.O.A.C.*

Professor CLARK

Pharm. Chem. 32—Physiological Chemistry

2 Lect. 2 Lab. Fall and Spring

Must be preceded by *Materia Medica* 11 and 21, Chemistry 3A and 3B, Pharmaceutical Chemistry 21 or equivalents.

The student is introduced to the chemical processes of digestion, metabolism and excretion. In the laboratory special stress is placed on qualitative and quantitative tests on blood and urine as employed in clinical analysis.

Text-books: Bodansky, *Introduction to Physiological Chemistry*; Bodansky and Fay, *Laboratory Manual of Physiological Chemistry*.

Professor HUGHES

Pharm. Chem. 33—Research.

Department of Materia Medica

Associate Professors C. C. CLARK and F. N. HUGHES

The courses in this department include Pharmacognosy, Physiology and Pharmacology and First Aid. The instruction in Pharmacognosy is divided into two parts, Macroscopic and Microscopic, the former being given in the College Building and the latter in the Department of Botany at the University of Toronto.

Pharmacognosy, Microscopic—See Botany 29 (Dept. of Botany).

Materia Medica 11—Physiology

2 Lect. Fall and Spring

The structure and life processes of the human body are considered in sufficient detail to enable the student to understand the general principles of drug therapy. After introductory lectures covering some essential features of biology and embryology, the various tissues of the body are studied with some emphasis on the special connective tissues. The central nervous system and the circulatory system are described.

Text-book: Best and Taylor, *The Living Body*.

Professor HUGHES

Materia Medica 12—First Aid

1 Lect. 1 Lab. Spring

This is a short course which qualifies the student to receive the elementary certificate of the St. John Ambulance Association. The lectures and demonstrations are intended to instruct the student in the emergency treatment which should be administered before the arrival of a physician.

Text-book: *First Aid to the Injured: St. John Ambulance Association.*

Professor HUGHES

Materia Medica 21—Physiology

3 Lect. Fall

The lectures and demonstrations as in *Materia Medica 11* are continued, the autonomic nervous system, the genito-urinary system, respiratory system, digestion, and the endocrine glands being discussed.

Text-book: Best and Taylor, *The Living Body.*

Professor HUGHES

Materia Medica 22—Macroscopic Pharmacognosy

2 Lect. Fall and Spring

Crude drugs of animal and vegetable origin are examined and described. In addition to the usual features such as botanical and geographical sources, methods of preparation for the market, physical characteristics, active constituents, standards, Latin names, synonyms, *etc.*, such information as may enable the student to apply this knowledge in the successful practice of pharmacy is presented.

Text-book: Denston, *The Text-book of Pharmacognosy.*

Professor CLARK

Materia Medica 23—Biological Products

1 Lect. Fall and Spring

The newer preparations of vitamins and hormones as well as bacterial, virus and miscellaneous animal products are discussed from the standpoint of physiology, source, preparation, chemistry, storage, official and commercial preparations.

Text-books: *New and Nonofficial Remedies*; Gershenfeld, *Biological Products*; *British Pharmacopæia.*

Professor HUGHES

Materia Medica 24—Pharmacodynamics and Toxicology

2 Lect. Spring

The action and therapeutic uses of drugs are considered, as well as poisons and their antidotes.

Text-books: Sollman, *A Manual of Pharmacology*; Lynn, *Pharmaceutical Therapeutics*.

Professor HUGHES

English

Instructors: Mr. W. L. C. RICHARDSON; Mr. N. McLEOD

English Expression—

2 hours Fall and Spring

In this course tutorial classes are held and instruction is given in the correct use of written and spoken English. Written expositions, public addresses and library reports are assigned to each student.

UNIVERSITY OF TORONTO

Department of Botany

Associate Professor H. B. SIFTON; Lecturer A. J. V. LEHMANN

Botany 28—Botany

2 Lect. 2 Lab. Fall and Spring

A series of lectures, demonstrations, and laboratory exercises on the life, structure, and classification of plants with particular emphasis on those aspects of interest to pharmacists. This course is given in the first year.

Text-books: Holman and Robbins, *Text-book of Botany*; Hill, Overholts and Popp, *Botany*.

Mr. LEHMANN

Botany 29—Microscopic Pharmacognosy

2 Lab. Spring

These laboratory exercises embody a study of those microscopic and simple microchemical characters by which drugs can be recognized whether in the gross or in the powdered form, separate or compounded.

Mr. LEHMANN

Department of Pharmacology

Professor V. E. HENDERSON

Experimental Pharmacology

1 Lab. weekly Fall

This course is intended to convey to the student the necessity for biological assays in the case of certain drugs and the principles underlying some of the assays required under the Food and Drugs Act. The pharmacological actions fundamental to the method of assay are demonstrated, and illustrated by laboratory work where possible. The therapeutic use of the drugs is discussed and the dangers inherent in the use of non-standardized preparations indicated. The reasons for the use of biological rather than chemical methods are also considered. The course has the advantage of placing before the students of pharmacy the pharmacology of these drugs with the same care as is given to their discussion with the medical class and in the same terms, so that both should understand each other.

Department of Hygiene and Preventive Medicine

Professor D. T. Fraser; Assistant Professor F. O. WISHART

Hygiene and Preventive Medicine 5—Microbiology

1 Lab. Fall

This is a laboratory course designed to acquaint the student with certain phases of the study of micro-organisms; methods of sterilization; antiseptics; preparation and standardization of certain biological products.

Text-book: Bryan and Bryan, *Principles and Practice of Bacteriology*.Reference Text-books: Buchanan and Buchanan, *Bacteriology*, 3rd ed.; Salle, *Fundamental Principles of Bacteriology*; Tanner, *Bacteriology*, 3rd ed.**Department of Chemistry**

Professor L. J. ROGERS

Associate Professors F. E. BEAMISH, F. R. LORRIMAN, G. F. WRIGHT;
Assistant Professor F. E. W. WETMORE. Demonstrators to be appointed.*Chemistry 1B—General Chemistry*

2 Lect. Fall and Spring

The lectures deal with the properties of, and the relationships among, the various classes of matter such as pure substances, colloidal materials, solutions, and mechanical mixtures. The course embraces the study of:—the non-metallic and metallic elements and their principal compounds;

the fundamental laws of chemistry; and the experimental determination of the more generally used physical constants.

Professor BEAMISH

Chemistry 1C—General Laboratory Chemistry 2 Lab. Fall and Spring

Experiments illustrating conditions influencing chemical reactions; quantitative analysis; the Mass Law and its applications; ionization; strength of acids; indicators; qualitative analysis; B.P. limit tests.

Text-books: Austin, *Inorganic Qualitative Analysis*; *British Pharmacopæia*.

Professor LORRIMAN

Chemistry 3A—Elementary Organic Chemistry 2 Lect. Fall and Spring

A course of lectures on the systematic classification of the aliphatic and aromatic compounds; the reactions and preparations of these compounds.

Text-books: Lowy and Harrow, *Introduction to Organic Chemistry*; or Norris, *Organic Chemistry*; or Colbert, *Organic Chemistry*; or Lucas, *Organic Chemistry*.

Professor WETMORE

Chemistry 3B—General and Organic Laboratory Chemistry

2 Lab. Fall and Spring

Qualitative analysis continued—simple salts; qualitative analysis for the more common alkaloids; experiments involving special apparatus; organic chemistry.

Text-books: Austin, *Inorganic Qualitative Analysis*; Bentley and Driver's *Text-book of Pharmaceutical Chemistry*.

Professor LORRIMAN

Chemistry 15A—Functional Group Reactions of Organic Compounds

2 Lab. Spring

The student is shown that the properties of an organic compound must be considered as a composite of the properties of the functional groups which it contains. This concept is necessary to methods of Qualitative Organic Analysis.

Professor WRIGHT

History of Science and Civilization*Third year*

2 Lect. Fall and Spring

This is a course of lectures designed to illustrate the influence which scientific thought and achievement have had on the development of modern civilization. It is taken in the third year with medical and dental students.

Professors WASTENEYS and COVENTRY

EXAMINATIONS

First Year

This examination will be held at the conclusion of the first year, and the student must be successful before he can be admitted to the second year.

Examination subjects of the first year are Pharmacy I, Pharmacy II, Physiology and Pharmacology, Botany, Chemistry.

Standing in Laboratory Pharmacy, Botany, and Chemistry will be based on term work.

Candidates must obtain 50 per cent of the marks assigned to each subject.

If the student fails in more than any two subjects it will be necessary to repeat the full year. Supplemental Examinations may be tried in September.

Standing in English is based on term work; if unsatisfactory a final examination must be written.

Second Year

The student must write two examinations at the end of the second year. The first examination leading to the degree of Bachelor of Pharmacy is authorized by the University of Toronto. The second, the licensing examination, is authorized by the Ontario College of Pharmacy.

The Degree Examination. The subjects of examination are as follows:—Pharmacy I, Pharmacy II, Materia Medica, Physiology and Pharmacology, Chemistry, Microbiology, Pharmacognosy.

Standing in Laboratory Pharmacy and Chemistry will be based on term work.

Candidates must obtain 50 per cent of the marks assigned to each subject.

If the student fails in more than two subjects it will be necessary to repeat the year.

The Licensing Examination. Before the candidate may write the licensing examination the following conditions must be fulfilled:

(a) He must have attended at least 90 per cent of the lectures and laboratory exercises in each subject (unless excused therefrom on account

of illness or other satisfactory cause) which attendance has been certified to by the Dean.

(b) He must apply to the Registrar-Treasurer and pay the examination fee of twenty dollars.

(c) He must have successfully passed the examination of the first year, including English.

(d) He must have obtained the degree of Bachelor of Pharmacy or at the said examination at least 50 per cent on each of the following subjects:—Pharmacy I, Pharmacy II, Laboratory Pharmacy, Materia Medica, Organic Chemistry, Laboratory Chemistry, and Physiology and Pharmacology, and a minimum of 40 per cent in all other subjects, and must have obtained at least 50 per cent of the total marks in all subjects.

The subjects of examination are as follows: Theoretical Pharmacy, Prescriptions, Materia Medica, Physiology and Pharmacology, Theoretical Chemistry, Practical Pharmacy, Dispensing, Practical Chemistry, Botany. In the case of Botany the marks obtained at the University of Toronto examination shall be accepted for the licenciate examination. In the case of Practical Pharmacy, Practical Chemistry, and Dispensing the term marks for each shall be accepted.

Candidates are not eligible to receive the diploma of the Ontario College of Pharmacy until twenty-one years of age, and if they have completed the final examination when under that age, their diplomas will be withheld during the interim.

Certificate Examination (Third Year)

After the completion of the work of the third year, examinations will be held in all subjects studied. The student must obtain 50 per cent of the marks in each course and will then receive a certificate from the College.

SCHOLARSHIPS AND AWARDS

FIRST YEAR

Parke Scholarships and Medals

Through the generosity of the late Mr. George Parke, of Parke and Parke, Pharmacists, Hamilton, provision has been made for the perpetuation of two scholarships of seventy-five and twenty-five dollars, and two medals (gold and silver) in honour of the memory of the late Lieut. George R. Parke, Phm.B. (Class of 1910-11), who made the supreme sacrifice in the First World War, to be designated:—"The Lieut. Geo. R. Parke, Phm.B., Memorial Scholarship" and "The Lieut. Geo. R. Parke, Phm.B. Memorial Medal." The seventy-five dollar scholarship and gold medal, and the twenty-five dollar scholarship and silver medal will be awarded respectively to the students standing first and second in the examination of the first year.

Senelnick Award

In memory of the late Joseph Senelnick, Phm.B. (medalist in the class of 1930), Nu Chapter of Rho Pi Phi Fraternity will present an award, in the form of pharmaceutical text-books to the value of twenty-five dollars, to the student who stands highest in Theoretical and Practical Pharmacy at the first-year examination, and who has not won any other award.

SECOND YEAR

Roberts Scholarship and Medal

Mr. John Roberts operated a very successful Pharmacy in Ottawa. He took a keen interest in the original Canadian Pharmaceutical Society and was a vigorous worker in favour of pharmaceutical legislation. In 1871, he was named as one of the provisional members of the Council of the Ontario College of Pharmacy and afterwards served for four terms in this capacity.

Following his death in 1892, his connection with the Ontario College of Pharmacy was commemorated by the establishment of one of the first permanent bequests, in the form of a scholarship and medal. "The John Roberts Scholarship" of one hundred dollars is awarded to the student attaining the highest total of marks (which must be not less than

75 per cent of the whole), at the Second-Year Examination. "The John Roberts Medal" is presented for the highest total in Pharmacy and Chemistry, which must be at least 75 per cent in each.

Lorriman Medal

A medal will be presented annually by Professor F. R. Lorriman, of the University of Toronto, to the student who obtains the highest mark in Practical Chemistry and does not win one of the other medals.

Mallinckrodt Award

The Mallinckrodt Chemical Company will present fifty dollars annually to the student of the second year who obtains the highest total in Practical and Theoretical Chemistry of the first and second years.

College Medals

Four medals are offered for competition at the Licensing Examination in May, and are open to all students who have attended two full sessions at the Ontario College of Pharmacy and have not failed at any previous licensing examination.

General Proficiency (first).....	College Gold Medal
General Proficiency (second).....	College Silver Medal
D'Avignon Dispensing Medal.....	College Gold Medal
Prescriptions Medal.....	College Gold Medal

The First Proficiency Medal will be awarded to the candidate making the highest number of marks of not less than 75 per cent of the total; the Second Proficiency Medal to the student attaining the next highest number of marks, with not less than 70 per cent of the total.

The Subject Medals will be awarded to the students making the highest number of marks in the respective subjects, of not less than 75 per cent of the total in all subjects.

THIRD YEAR

Borden Scholarships

Through the courtesy of the Borden Company, Limited, provision has been made for the establishment of two annual scholarships, one of \$200.00, and the other \$100.00.

Students who have successfully completed the courses of the first and second year in the College are eligible to compete for these scholarships.

Two candidates will be nominated by the Faculty of the College on the basis of their attainment in the first and second years, and who by other qualities displayed in college life, show greatest promise of rendering outstanding service to the profession of Pharmacy.

Candidates desiring to be considered for these scholarships should apply to the Dean of the Faculty not later than June 1 of each year.

Assistantships

In addition to the above scholarships, two assistantships are open to students enrolling in the course of the third year. These assistants will require two years to complete the course.

Applicants should apply to the Dean of the Faculty before June 1.

FIRST YEAR EXAMINATIONS, MAY, 1942

The Lieutenant George R. Parke, Phm.B. Memorial Scholarships

1. M. D. IRWIN, Madoc.
2. R. GERBASE, North Bay.

The Joseph Senelnick Rho Pi Phi Memorial Scholarship in Pharmacy

MISS O. M. NORTHGRAVES, Kitchener.

FIRST YEAR

The following students have obtained standing at the annual examinations of the first year. Where the name of a candidate is followed by a subject or subjects in brackets, the candidate is required to pass a supplemental examination in the subject or subjects indicated in order to complete the work of the first year.

Abrams, A. (Chem.)	Fox, J.	Miller, D. J.
Atkin, C.	Friedman, B.	Newman, L. B.
Atkison, W. R. G. (Bot.	Gerbase, R.	Nikolaevsky, M.
Physiol. and Pharmacol.)	Gilbert, Miss M. A.	Northgraves, Miss O. M.
Baeker, J. T.	Glaeser, W. K. (Physiol.	Ostrosky, J. A. (Pharm I)
Banks, L. E.	and Pharmacol.)	Palumbo, F. E. (Chem.)
Baxter, R. M.	Gordner, A. I.	Parke, F. L.
Bidewell, J. F. (Bot.)	Gorrell, W. H. (Bot.,	Pasternak, L.
Blades, C. E.	Chem.)	Percheson, P.
Blayney, F. M. (Chem.)	Grace, A. D. (Chem.,	Phillips, J. R.
Brodey, A. G.	Pharm. I)	Pollock, S. P.
Brown, H.	Gray, Miss N. R.	Powell, M. O.
Cameron, E. J.	Hamilton, D. A.	Reif, G.
Campbell, D. (Chem.)	Heslip, J. M.	Resnick, A. (Bot., Physiol.
Capitofsky, D.	Hill, J. R.	and Pharmacol.)
Cappe, D.	Hill, W. G.	Richards, H. N. (Bot.)
Cardiff, W. L.	Hocking, Miss M. L.	Robinson, L. E.
Carey, V. F. (Chem.)	(Physiol. and Pharmacol.)	Rosenfeld, J.
Clarke, R. J.	Hunt, C. D.	Sax, I. H.
Clifton, E. L. H.	Hutton, G. A.	Schryver, J. A. R.
Coldicott, Miss B. E.	Irwin, M. D.	Scott, W. W.
(Chem.)	Johnston, W. J.	Shankman, L. (Chem.)
Corbett, A. F. (Chem.,	Leavitt, Miss C. N.	Shumacker, B.
Physiol. and Pharmacol.)	(Chem.)	Smith, L.
Cranston, G. B.	Leibovitz, E.	Sokoloff, J.
Crough, Miss E. M.	Lennon, L. (Bot.)	Spence, G. C.
Davern, C. A.	Lieberman, S.	Stone, Miss G. L.
David, G. E. (Chem.)	Lindzon, M. (Pharm. I)	Stone, Miss M. J.
David, M.	Little, D. L. (Physiol. and	Toal, B. A. (Pharm. I, Phy-
DeHetre, E. A.	Pharmacol.)	siol. and Pharmacol.)
Dent, Miss F. G. (Chem.,	Lumsden, Miss E. M.	Vine, Miss E. J.
Physiol. and Pharmacol.)	Mackenzie, Miss C. C.	Wagman, N. B.
Diamond, G. F. (Physiol.	(Chem.)	Waltman, J.
and Pharmacol.)	Martin, A. H.	Watson, A.
Dike, H. N.	Martz, S.	Wilson, F. A.
Edell, S. B. S.	Maxted, W. J.	Wood, N. C. (Chem., Phy-
Edlefsen, J. E.	Mecklinger, H. (Chem.)	siol. and Pharmacol.)
Elas, M. (Bot.)	Milgram, L. (Bot., Phy-	Wray, R. J.
Farr, W. P.	siol. and Pharmacol.)	
Fine, I. (Pharm. I.)		

SUPPLEMENTAL EXAMINATIONS, SEPTEMBER, 1942

Each of the following candidates obtained standing in the subject or subjects indicated:

Armstrong, D. M. (Chem.); Atkison, W. R. G. (Botany, Physiology); Blayney, F. M. (Chem.); Coldicott, Miss B. (Chem.); Diamond, G. (Physiology); Elas, M. (Botany); Fine, I. (Pharm. I); Hocking, Miss M. (Physiology); Lennon, L. P. (Botany); Lindzon, M. (Pharm. I); Little, D. L. (Physiology); Milgram, L. (Physiology); Ostrofsky, J. A. (Pharm. I); Palumbo, F. E. (Chem.); Resnick, A. (Botany, Physiology); Richards, H. N. (Botany); Toal, B. A. (Pharm. I, Physiology).

GRADUATES OF THE DEGREE Phm.B., JUNE, 1942

Acenberg, M. S.
 Asquith, Miss M. E.
 Baeker, J. T.
 Bennett, L. D.
 Berger, I.
 Binning, R. W.
 Boyd, M. H.
 Brown, M.
 Brown, W. S.
 Buswell, Miss T. P.
 Caskey, R. D. H.
 Clifton, W. D.
 Courtice, D. G.
 Cox, J. W.
 Drover, E. T.
 Elliott, L. G.
 Fenwick, M.
 Foster, W. K.
 Garbutt, L. E.
 Hall, D. W.
 Halliwell, J. F.
 Heard, L. I.
 Hertell, A. P.
 Hewett, H. M.
 Hunt, C. D.
 Jeffers, G. R.
 Johns, O. G.
 Kestenberg, L.
 Kinch, Miss D. F.
 Kitchen, G. L.
 Leeper, Miss E. R.

Litchen, J.
 Lozinsky, R. N.
 McGregor, Miss I. K. A.
 MacNabb, L. A.
 Markham, W. D.
 Mintz, A.
 Mitchell, Miss J. O.
 Nelson, C.
 Newell, G. K.
 Nisker, D.
 Paterson, G. R.
 Pelchovitz, S.
 Pollock, R.
 Pulham, F. H.
 Pusitz, B. I.
 Quigley, Mrs. P. D.
 Robinson, L. E.
 Roher, M.
 Ronson, Miss M. B.
 Rowsell, B. G.
 Russell, D. J.
 Russell, W. R.
 Sax, I.
 Simpson, J. P.
 Smith, C. M.
 Sone, A.
 Titcher, E.
 Umbach, L. E.
 Walther, W. A.
 Yorke, K. G.
 Zochodne, F.

SEPTEMBER, 1942

Appelberg, Kenneth
 Bryan, Miss C. M. E.
 Buswell, Miss T. P.
 Casselman, G. J.
 Gar, Victor

Hunter, J. R.
 Lee, W. E.
 Newman, H. C.
 Quirk, L. D.
 Steele, H. A.

LICENSING EXAMINATIONS, MAY, 1942

SCHOLARSHIPS AND MEDALS

College Gold Medal for General Proficiency and John Roberts Scholarship of \$100—G. K. NEWELL.

College Silver Medal for Second General Proficiency—B. G. ROWSELL.

John Roberts Gold Medal for Pharmacy and Chemistry—G. R. PATERSON.

D'Avignon Dispensing Gold Medal—J. W. COX.

Prescription Gold Medal—S. PELCHOVITZ.

**The Lorriman Chemistry Gold Medal and Mallinckrodt Award of \$50.00—
I. BERGER.**

HONOUR LIST IN ORDER OF MERIT

Newell, G. K.	Halliwell, J. F.	Cox, J. W.
Rowsell, B. G.	Mintz, A.	Paterson, G. R.
Berger, I.	Pelchovitz, S.	Brown, Morris

PASS LIST (Alphabetically Arranged)

Acenberg, M. S.	Hertell, A. P.	Pulham, F. H.
Asquith, Miss M. E.	Hewett, H. M.	Pusitz, B. I.
Baeker, J. T.	Hunt, C. D.	Quigley, Mrs. P. D.
Bennett, L. D.	Jeffers, G. R.	Robinson, L. E.
Binning, R. W.	Johns, O. G.	Roher, M.
Boyd, M. H.	Kestenberg, L.	Ronson, Miss M. B.
Brown, W. S.	Kinch, Miss D. F.	Russell, D. J.
Caskey, R. D. H.	Kitchen, G. L.	Russell, W. R.
Clifton, W. D.	Leeper, Miss E. R.	Sax, I.
Courtice, D. G.	Litchen, J.	Simpson, J. P.
Drover, T. E.	Lozinsky, R. N.	Smith, C. N.
Elliott, L. G.	MacNabb, L. A.	Sone, A.
Fawthrop, Miss O. J.	Markham, W. D.	Titcher, E.
Fenwick, M.	Mitchell, Miss J. O.	Umbach, L. E.
Foster, W. K.	McGregor, Miss I. K. A.	Walther, W. A.
Garbutt, L. E.	Nelson, C.	Yorke, K. G.
Hall, D. W.	Nisker, D.	Zochodne, F.
Heard, L. I.	Pollock, R.	

PASSED NOW AND ON PREVIOUS OCCASIONS

Shaw, Miss Anna

PASSED COUNCIL EXAMINATION, MUST OBTAIN PREREQUISITE
STANDING IN UNIVERSITY OF TORONTO EXAMINATION

Casselman, D. J.; Gorrell, W. H.; Newman, H. C.; Steele, H. A.

YET TO PASS IN SUBJECTS NAMED

Simmerson, R. S. (Theo. Chem.)

YET TO PASS IN SUBJECTS NAMED AND WHERE NECESSARY OBTAIN
PREREQUISITE STANDING IN UNIVERSITY OF TORONTO EXAMINATIONAnderson, John (Theo. Chem.); Bryan, Miss C. M. E. (Theo. Chem.); Goulah, L. C.
(Theo. Chem., Mat. Med.)

SEPTEMBER, 1942

The following students have completed the licentiate requirements by obtaining prerequisite standing at the University of Toronto Supplemental Examination, September, 1942:

Appelberg, K.

Buswell, Miss T. P.

Casselman, G. J.

Gar, H. V.

Hunter, J. R.

Lee, W. E.

Newman, H. C.

Quirk, L. D.

Steele, H. A.

DEPARTMENT OF PHARMACY EXTENSION

LIKE many other institutions of learning, the Ontario College of Pharmacy realizes the value and the need for extension facilities. During the past five years, considerable thought and effort have been expended towards this end.

Through this department, graduates are invited to use any or all of the facilities of the College. Refresher courses have been held and will continue to be held in the future. These courses will take the form of either an academic convention of two or three days, or a series of lectures, one night a week for seven or eight weeks. In either instance the subjects will be pertinent to present-day pharmacy and will assist the graduate in revising his knowledge and broadening the scope of his professional position.

During 1936 a ten-day refresher course was held at the College and at the Ontario Agricultural College. In the late fall of 1940 a series of lectures was offered in Toronto, one evening each week for eight weeks and was repeated early in 1941 at Hamilton. All the above lectures were well received and considered eminently successful.

The above brief outline will give the reader an idea of the possibilities of extramural lectures and extension opportunities generally, now offered by the College. For more complete information, one should request a special booklet on the subject, which will be mailed to those interested.

COLLEGE FIRST- AND SECOND-PRIZE WINNERS SINCE 1872

First

June 1872..H. MacLagan, Lindsay
 Dec. 1872..A. Campbell, London
 June 1873..J. H. C. Fisher, Bobcaygeon
 Dec. 1873..A. B. Eadie, Brantford
 June 1874..C. Sheppard, Toronto
 Dec. 1874..G. Ramsay, Toronto
 June 1875..J. Clark, Renfrew
 Dec. 1875..A. Higinbotham, Bridgewater
 June 1876..E. D. Martin, Milton West
 Dec. 1876..J. Taylor, Harriston
 June 1877..A. R. Fraser, Toronto
 Dec. 1877..A. A. Popplewell, Brantford
 June 1878..B. Batchelor, Brantford
 Dec. 1878..J. A. Starr, London
 June 1879..W. A. Karn, Woodstock
 Dec. 1879..J. Cairncross, London
 June 1880..L. Wisser, Walkerton
 Dec. 1880..D. S. Breakenridge, Morrisburg
 June 1881..E. J. Duck, Morpeth
 Dec. 1881..W. J. Manley, Meaford
 June 1882..H. Webber, Ottawa

 Dec. 1882..F. W. May, Toronto
 June 1883..W. E. Saunders, London
 Dec. 1883..J. O. Notman, St. Catharines
 June 1884..O. R. Avison, Almonte
 Dec. 1884..G. W. Spackman, Thamesville
 June 1885..L. T. Lawrence, London
 Dec. 1885..W. T. Galbraith, Guelph
 June 1886..L. J. Conger, Toronto
 Dec. 1886..J. Cochrane, Kingston
 June 1887..Paul L^{*} Scott, Paris
 June 1888..J. F. Roberts, Seaforth
 Dec. 1888..D. McGillivray, Whitby
 June 1889..R. F. Kyle, Strathroy
 Dec. 1889..S. L. Taylor, Clinton
 May 1890..J. H. Hanley, Strathroy
 Dec. 1890..J. H. Childs, London
 May 1891..C. A. Yates, Goderich
 Dec. 1891..R. D. Norris, Elora
 May 1892..C. D. Williams, Goderich
 Dec. 1892..M. LaT. Thompson, Aurora
 May 1893..H. N. Paeckert, Stratford

Second

P. Jackes, Toronto
 D. Secord, Brantford
 W. R. Carmichael, Toronto
 H. Watters, Ottawa
 R. Edwards, Brantford
 J. H. Bowman, London
 J. E. Shore, London
 A. V. Delaporte, Toronto
 E. F. Stephenson, Cobourg
 J. Parker, Owen Sound
 T. G. Ryley, Cobourg
 D. S. Sager, Brantford
 T. Gibbard, Toronto
 J. S. Mills, Brantford
 F. Holman, London
 J. T. Williams, Barrie
 F. P. Nasmyth, Woodstock
 J. H. H. Jury, Bowmanville
 F. T. Harrison, Milton
 W. Legate, Marsville
 E. F. Robinson, Yorkville, and
 S. W. S. Toms, Whitby
 H. Penny, London
 A. S. Goodeve, Guelph
 V. H. Chantler, Owen Sound
 John A. Abbs, Port Perry
 F. C. Bone, St. Catharines
 J. J. McLaughlin, Oshawa
 C. E. Mitchell, Kingston
 F. C. Lalonde, Brockville
 R. N. Brebner, Sarnia
 A. Colvin, Teeswater
 A. McLaren, Toronto
 J. G. Karn, Woodstock
 W. H. C. Roblin, Ameliasburg
 W. Ivison, Kippen
 W. A. Howe, Thornbury
 R. V. Hay, Waterford
 G. J. Sadler, Ottawa
 W. L. Campbell, Bradford
 V. Barber, Toronto
 A. I. Gould, Colborne
 J. M. Spencer, Owen Sound

- Dec. 1893. . W. B. Scott, Port Hope
 May 1894. . A. J. Wilkinson, Windsor
 Dec. 1894. . H. G. Barrie, Port Arthur
 May 1895. . C. G. Eagleson, Port Hope
 Dec. 1895. . W. H. Lee, Toronto
 May 1896. . R. A. Gausby, Guelph
 Dec. 1896. . S. T. Hopper, Port Hope
 May 1897. . H. S. Monkman, Hamilton and
 F. J. Smyth, Hamilton
 May 1898. . A. Moir, Dunnville
 May 1899. . G. A. Evans, Toronto

 May 1900. . G. Tambllyn, Whitby
 May 1901. . J. A. McK. Williams, Toronto
 May 1902. . H. C. Dunlop, Goderich
 May 1903. . J. W. Cairns, Kingsville
 May 1904. . A. J. Bouchier, Washington, Ont.
 May 1905. . F. E. Morrison, Brantford
 May 1906. . A. R. Cairncross, London
 May 1907. . E. A. Lovell, London
 May 1908. . J. A. Shaw, St. Catharines
 May 1909. . A. A. Stokes, Alliston
 May 1910. . C. R. Vail, St. Thomas
 May 1911. . R. D. Diamond, Brantford, and
 Frank R. Evans, Minnidosa, Man.
 May 1912. . S. S. Dunn, Castor, Alta.
 May 1913. . F. C. Griffith, St. Catharines
 May 1914. . R. O. Hurst, Painswick
 May 1915. . O. P. Watson, Vernon, B.C.
 May 1916. . F. A. Granat, Revelstoke, B.C.
 May 1917. . J. S. Anderson, Waterford
 May 1918. . I. C. Bricker, Listowel
 May 1919. . A. P. Roberts, Parkhill
 May 1920. . A. E. Coutts, Perth
 May 1921. . J. B. D. Hatchwell, Toronto
 May 1922. . J. Jackson, Gravenhurst
 May 1923. . G. W. Down, Oakland, Ont.
 May 1924. . R. S. Frame, Toronto
 May 1925. . E. F. Frey, Fernie, B.C.
 May 1926. . G. E. Dupuis, Ottawa
 May 1927. . Leon L. Scher, Toronto
 (Three year)
 May 1927. . D. A. McGregor, Bowmanville
 (Four year)

 C. A. Buchanan, Kemptville
 L. B. Ashton, Toronto
 J. Shurie, Trenton
 J. Murray, Clinton
 J. E. Gayfer, Ingersoll
 J. W. McDougall, Strathroy
 E. C. Willson, Aurora
 W. A. Pond, Cheapside

 C. W. Watson, Goderich
 Frank A. Lemon, Jarvis, and
 Geo. G. Colp, Deseronto
 P. J. Nolan, Ottawa
 F. W. Judd, London
 C. R. Magee, Hamilton
 L. G. Oliver, Deseronto
 A. M. Reid, Sault Ste. Marie
 J. E. Souder, Preston
 S. Pitrie, Brantford
 L. R. Tune, Ingersoll
 A. R. Bonham, Toronto
 A. L. Kean, Whitby
 H. A. Switzer, Hanover
 W. J. Bennett, St. Mary's

 I. J. Warren, Dunnville
 H. N. Balfour, Toronto
 R. R. Dusten, Sarnia
 V. O. Sawyer, Toronto
 C. P. Taylor, Bowmanville
 F. McNary, Vernon, B.C.
 A. D. McMurtrie, Sarnia
 Wm. M. Mounfield, Brantford
 D. R. Russell, London
 I. A. Linker, Galt
 R. B. Smith, Jarvis
 W. A. Crerar, Hamilton
 W. Isaacson, Toronto
 M. F. Hoover, Selkirk
 W. H. Hodgins, Carp
 E. S. Cooper, Acton

 C. J. Grant, Chatham

COLLEGE FIRST- AND SECOND- PRIZE WINNERS SINCE 1872—

First

May 1929.. F. N. Hughes, Sarnia
 May 1930.. J. Senelnick, Toronto
 May 1931.. H. E. McMillan, Cobourg
 May 1932.. A. C. Hodgins, Wyoming and
 J. F. Rodgers, Simcoe
 May 1933.. T. E. Russell, Leamington
 May 1934.. Miss E. J. Smedmor, Peterborough
 May 1935.. S. G. Evoy, Petrolia
 May 1936.. J. B. Jewell, Fenelon Falls
 May 1937.. A. J. Bianchi, Sault Ste. Marie
 May 1938.. H. F. Mahaffey, Port Colborne
 May 1939.. D. H. Harmer, Ottawa
 May 1940.. J. Fromstein, Toronto
 May 1941.. Sister M. L. Murphy, Kingston
 May 1942.. G. K. Newell, Woodstock

Second

F. A. Tilston, Toronto
 L. F. Gauley, Ottawa
 W. H. Sanderson, Orangeville
 A. Molot, Ottawa
 A. Bergson, Toronto
 J. Palko, Fort William
 W. E. Woolrich, Sault Ste. Marie
 F. W. Rennie, Toronto
 K. McD, Bye, Hamilton
 W. E. MacKinnon, Toronto
 W. J. Stubberfield, Chatham
 W. H. Smith, Toronto
 W. W. Burr, Windsor
 B. G. Rowsell, Toronto

LIEUTENANT GEORGE R. PARKE PHM. B. MEMORIAL SCHOLARSHIP

First

1923.... Chas. D. McGregor, Hamilton
 1924.... Miss A. Ferne Waddell, London
 1925.... W. D. Erion, St. Catharines
 1926.... H. W. Hodgins, Carp
 1927.... G. H. Small, St. Thomas
 1928.... F. N. Hughes, Sarnia
 1929.... Joseph Senelnick, Toronto
 1930.... R. B. Henderson, Sarnia
 1931.... Miss M. F. L. Gibson, Lakefield
 1932.... T. E. Russell, Leamington
 1933.... Miss E. J. Smedmor, Peterborough
 1934.... S. G. Evoy, Sarnia
 1935.... J. B. Jewell, Fenelon Falls
 1936.... A. J. Bianchi, Sault Ste. Marie
 1937.... E. L. Johnson, St. Thomas
 1938.... D. H. Harmer, Ottawa
 1939.... K. Clodman, Toronto
 1940.... Sister Mary Murphy, Kingston
 1941.... G. K. Newell, Woodstock
 1942.... M. D. Irwin, Madoc

Second

Fred C. Pickard, St. Mary's
 R. M. Moulton, Carleton Place
 G. T. Wilson, Hamilton
 R. O. Bobier, Guelph
 L. McM. Henry, Waterdown
 A. M. Lazarus, Ottawa
 H. W. Rutsch, Waterloo
 H. E. McMillan, Cobourg
 A. E. Munroe, London
 A. Bergson, Toronto
 S. C. Ross, Toronto
 Miss I. V. Stevens, Dunnville
 F. W. Rennie, Toronto
 H. Schein, Toronto
 H. F. Mahaffey, Port Colborne
 W. J. Stubberfield, Chatham
 Wm. Smith, Toronto
 A. Rosenberg, Toronto
 L. Berger, Toronto
 R. R. Gerbase, North Bay

EX-OFFICERS AND DATES OF OFFICE

President		Vice-President	
WM. ELLIOT	1871	HUGH MILLER	
BENJ. LYMAN	1871—1877	WM. SAUNDERS	
WM. ELLIOTT	1877—1879	WM. SAUNDERS	
WM. SAUNDERS	1879—1881	NEIL C. LOVE	
HUGH MILLER	1881—1883	G. J. WAUGH	
NEIL C. LOVE	1883—1885	E. HARVEY	
E. HARVEY	1885—1887	R. W. ELLIOT	
R. W. ELLIOT	1887—1888	W. B. SANDERS	
HARRY SHERRIS	1888	JNO. A. CLARK	
JNO. A. CLARK	1888—1891	W. B. SANDERS, JNO. J. HALL	
JNO. J. HALL	1891—1893	JNO. W. SLAVEN	
A. B. PETRIE	1893—1895	J. H. MACKENZIE	
J. H. MACKENZIE	1895—1897	JOHN MCKEE	
HENRY WATTERS	1897—1899	W. A. KARN	
W. A. KARN	1899—1901	J. F. ROBERTS	
J. F. ROBERTS	1901—1903	A. TURNER	
W. B. GRAHAM	1903—1905	E. W. CASE	
E. W. CASE	1905—1907	G. E. GIBBARD	
GEORGE E. GIBBARD	1907—1909	JOHN HARGREAVES	
JOHN HARGREAVES	1909—1911	R. A. HARRISON	
ALEXANDER STEWART	1911—1913	JOHN H. H. JURY	
JOHN H. H. JURY	1913—1915	ALBERT J. JOHNSTON	
ALBERT J. JOHNSTON	1915—1917	EBON R. WIGLE	
EBON R. WIGLE	1917—1919	CLARENCE T. ADAMS	
CLARENCE T. ADAMS	1919—1921	BURWELL GRIFFIN	
BURWELL GRIFFIN	1921—1923	T. E. McLELLAN	
T. E. McLELLAN	1923—1925	A. B. JOHNSON	
ANDREW B. JOHNSON	1925—1927	FRANK J. HOAG	
FRANK J. HOAG	1927—1929	T. J. BROWN	
T. J. BROWN	1929—1931	C. P. PLAYTER	
CHARLES P. PLAYTER	1931—1933	JAMES LYNCH	
JAMES LYNCH	1933	M. R. MacFARLANE	
WILLIAM G. SMITH	1933—1935	H. M. CORBETT	
H. M. CORBETT	1935—1937	F. A. LEMON	
F. A. LEMON	1937—1939	W. J. ABELL	
W. J. ABELL	1939—1941	H. S. TAPSCOTT	
H. S. TAPSCOTT	1941	H. V. MERCER	
Treasurer		Registrar-Treasurer	
W. H. DUNSPAUGH,	1871	H. J. ROSE, Registrar	
GEO. HODGETTS	1871—1875	Treasurer	
K. A. MILLER	1875—1879	Treasurer	
GEO. HODGETTS	1879—1888	Registrar-Treasurer	
ISAAC T. LEWIS	1888—1906	Registrar-Treasurer	
WILLIAM B. GRAHAM	1906—1923	Registrar-Treasurer	
J. F. ROBERTS	1924—1931	Registrar-Treasurer	
T. E. McLELLAN	1932—1933	Registrar-Treasurer	
M. R. MacFARLANE	1934—1943	Registrar-Treasurer	

FACULTY OF ONTARIO COLLEGE OF PHARMACY

1882 TO PRESENT

- E. B. SHUTTLEWORTH (1882-1891)—Dean—Chemistry and Pharmacy.
H. J. ROSE (1882-1885)—Materia Medica; (1883-85)—Dispensing and Materia Medica.
W. S. ROBINSON (1882-1883)—Practical Dispensing and Prescriptions.
H. MONTGOMERY (1882-1884)—Botany.
A. B. EADIE (1885-1889)—Practical Dispensing.
O. R. AVISON (1885-1891)—Botany and Materia Medica.
F. T. HARRISON (1889-1891)—Practical Dispensing.
A. Y. SCOTT (1890-1903)—Dean (1891-1892)—Botany, Chemistry.
C. F. HEEBNER (1891-1937)—Dean (1892-1937)—Pharmacy, Practical Dispensing.
J. F. FOTHERINGHAM (1891-1903)—Materia Medica, Microscopy, Physiology, Latin; (1903-1915)—Materia Medica and Pharmacognosy.
G. CHAMBERS (1891-1915)—Practical Chemistry and Physics; (1903-15)—Toxicology.
W. B. KENDALL (1897-1907)—Microscopy (demonstrator).
P. L. SCOTT (1903-1940)—Botany; (1907)—Microscopy; (1914)—Biology and Botany; (1927)—Physiology.
G. A. EVANS (1903-1922)—Practical Chemistry; (1915)—Theoretical and Practical Chemistry, Physics.
*R. O. HURST (1915-)—Materia Medica, Latin; (1927)—Practical Pharmacy, Materia Medica, Latin; (1937)—Pharmacy; Dean (1937-).
O. P. WATSON (1922-27)—Chemistry, Theoretical and Practical.
*C. C. CLARK (1928-)—Practical Pharmacy; (1937)—Materia Medica.
J. F. VAN EVERY (1927-33)—English.
W. C. MacAULAY (1937-39)—Latin, Practical Pharmacy.
*F. N. HUGHES (1938-)—Latin, Practical Pharmacy; (1939)—Photography, Biological Products; (1941)—Physiology and Pharmacology.
*D. E. MacKENZIE (1939-)—Latin, Practical Pharmacy; (1941)—Photography.
*N. McLEOD (1940-)—English.
E. L. DANIHER (1927-40)—English.
*W. L. C. RICHARDSON (1933-)—English.

*Present members of Faculty.

